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Introduction

Thank you and congratulations. You have chosen a Loewe TV set which gives you the latest state-of-the-art in design and technology. It has some features which distinguish it as a TV of extraordinary quality.

Operating comfort

- All the TV's functions can be controlled comfortably and easily with the remote control.
- The well-contrived on-screen dialog display. The respective buttons of the remote control required for the next operating step are displayed on screen.
- Automatic station programming; all receivable TV stations are stored automatically and the order of programs sorted country-specifically. Even the program abbreviations of stations which broadcast teletext or VPS, e.g. ARD or ZDF, etc. are displayed. This automatic programming system also works for satellite programs.
- Teletext Plus; enables immediate access to more than 100 teletext pages. You can „page“ through the teletext as quickly and easily as reading a newspaper. The teletext decoder decodes the TOP and FLOF teletext systems. If the set is fitted with a PIP unit or a satellite tuner, you can even look at what other station teletexts have to offer without changing the current TV program.

State-of-the-art technology

- 100 hertz frame repetition rate for flicker-free pictures (large area flicker)
- activatable freeze frame
- DNC digital noise control
- DLC digital line control.
- For TV set with 16:9 screen format
PALplus format switching

- The set only consumes about 1 W of power in standby mode.
- Sets with a satellite tuner can be expanded to 200 program memories.
- The latest picture tube technology for a brilliant, high-contrast picture.
- 8-bit digital technique for signal processing; guarantee for consistently excellent picture quality.
- The Sharpness Control System (SCS) for a greatly improved picture sharpness.
- Improved picture quality due to digital comb filter (S PAL).
- * Multistandard, i.e. all important TV norms are receivable.
- 8 MHz Hyperband Tuner for TV broadcasts in PAL norm.
- Sound amplifier output stages with an output of 2 x 40 Watts.
- Two Audio-Video sockets (EURO-AV).
- * One S-Video socket on the front of the set for connecting an SVHS or Hi8 camcorder (not available for Art 84–100 and Art 95–100).
- Cinch sockets for a HiFi amplifier.
- * TV set for retrofitting with satellite tuner or TV set equipped with satellite tuner.
- * TV model with PIP unit for picture in picture viewing
- * TV model with picture in picture unit for AV playback only, without PIP tuner. A PIP tuner can be fitted later.
- * TV model with NICAM sound.

Accessories

- A video rack with a compartment for a video recorder in the same design as this colour TV is available for the models Arcada and Calida. A video hifi box is available for the model Art 70–100.

*Depending on the model and version.

- A wide range of Loewe video recorders, whereby it is possible to operate the TV and the recorder with a single remote control.
- Possible integration of a satellite receiver in your TV. This means a satellite antenna can be connected directly to your TV set and you need only one remote control to select both terrestrial and satellite stations.

Notes on these operating instructions

Do not just throw these instructions aside. Even if you are long familiar with the operation of a TV set: this set will show you a few things you have never seen.

The foldout pages at the beginning show you the remote control, the local operating panel on the set and the connections on the back of the TV. Leave these pages folded out when you are „studying“ the instructions.

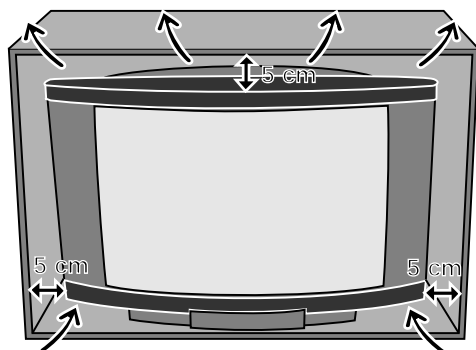
The outside sheet can be separated easily. Keep these brief instructions near to your remote control.

The operating instructions have been printed in three columns. The left-hand column is for the reader in a hurry, e.g. if you are already vaguely familiar with the set. The centre column describes the necessary operating steps in detail. The right-hand column provides additional information on the respective topic.

The operating instructions should help you to get to know all your TV's functions.

We wish you a lot of fun and good viewing with your Loewe.

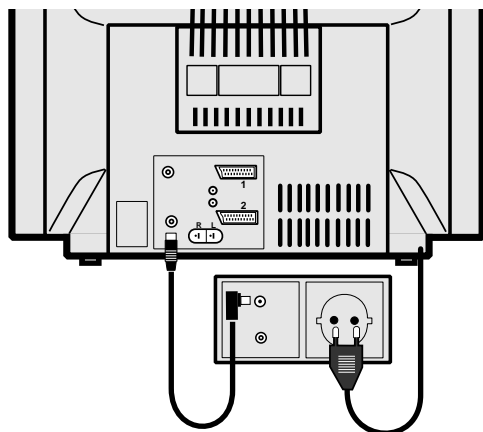
Positioning and Connecting the Set



Positioning

Position your set so that no bright light or sunlight falls directly onto the screen. Otherwise the brilliance of the picture will be affected by reflections.

The air vents on the back of the set must be kept clear at all times to allow the set to cool. Leave enough room at the back if you stand your set on a shelf or in a cabinet.



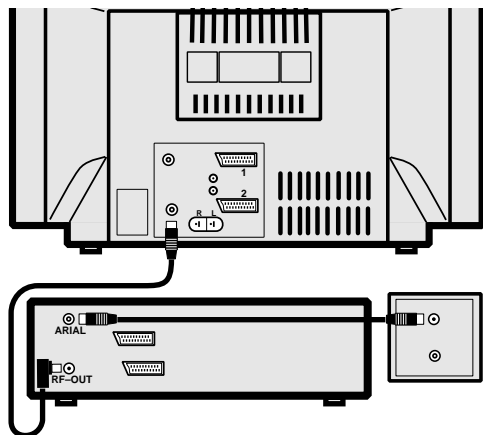
Connecting

To the mains

Plug the TV's mains plug into a socket. The set will operate on 195 to 260 volts AC, 50 or 60 hertz.

To the antenna

Connect your set to the antenna as shown opposite with a coaxial antenna cable (75 ohms).



Connecting a video recorder

Connect the coaxial antenna cable to the antenna socket (aerial) of the recorder. Connect the output of the video recorder (RF-Out) to the TV's antenna input (VHF/UHF) with a second antenna cable.

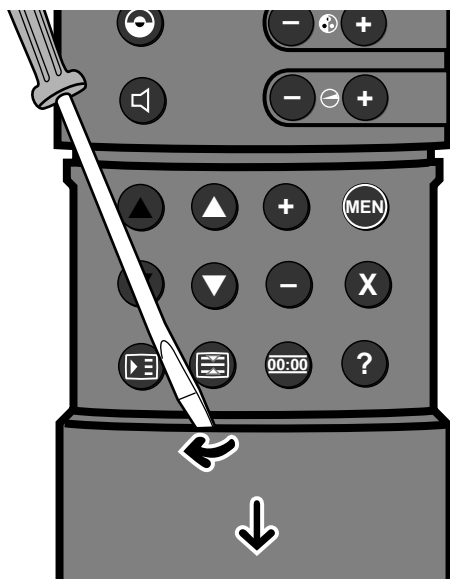
Further antenna connections are necessary if the set is fitted with a satellite receiver (Sat tuner): these are described in more detail in the separate operating instructions „Satellite Receivers“.

Art Vision 20-100, Art 70-100 with video hifi box, Art 84-100 and Art 95-100

Second backplane: In this set, the antenna sockets and all other connections are furnished by an extra backplane. Remove the backplane. Lay the wires downwards and out through the centre. Fix the cables to the clips in the bottom part of the set. Screw the backplane back in place.

Video recorder compartment: Behind the loudspeaker grille you will find a compartment for one of the new flat videorecorders offered by Loewe. Press lightly at the top of the loudspeaker grille; it can then be tilted forward.

Remote Control – inserting the batteries




Remote control functions

All operating functions and basic adjustments can be controlled with the remote control.

The remote control transmits your commands to the TV set by means of infrared light; always point the remote control towards the TV set for operation.

Inserting the batteries

Slide back the cover as far as it will go. Take a screwdriver or ballpoint pen; push the screwdriver blade or tip of the ballpoint pen into the small opening directly behind the  button. Lift the cover a little way past the detent position. The cover can now be removed completely.

Insert the two or three batteries the right way round, the correct polarity is embossed on the floor of the battery compartment, replace the cover and slide it back until the battery compartment is closed.

The batteries will last more than 1 year. Check the batteries for leakage after 1 year and change used batteries in good time. This will avoid the contact springs being destroyed.

Use only microcells of the IEC LR 03 alkali-manganese type.

Information on battery disposal:

- Do not throw used batteries in household waste.
- Hand them in at a collection point for old batteries (e.g. battery collection box at the dealers) or at the special waste depot.

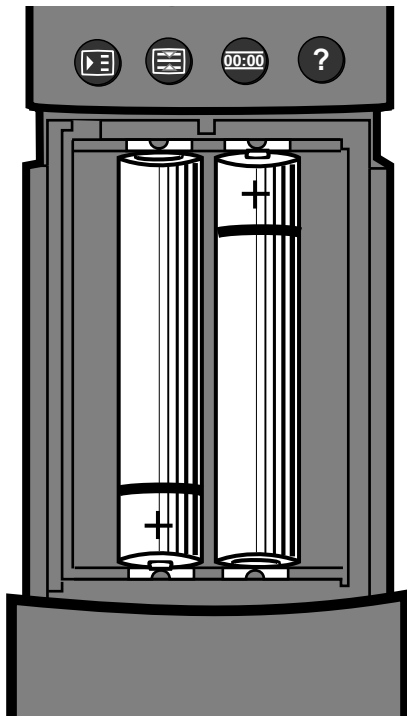
General information on your TV set

The dialog between you and your TV set takes place on screen with an operator menu. The buttons on the remote control required for the operating steps are also displayed.

First choose „your language“. All on-screen displays then appear in this language.

Safety Instructions

- If the set is moved from a cool environment to a warm room, do not switch it on until it has been given reasonable time (about 1 hour) to warm up.
- The set is designed for the home and office and may not be used in rooms with a high humidity or concentration of dust.
- Make sure the set stands firmly when placed on a shelf, a table or in a cabinet.
- Position the set so that it is not exposed to direct sunlight and additional heat from radiators.
- The slits in the rear panel are for cooling of the set and should never be covered up with mats or curtains.
- Make sure no metal parts, pins, paper clips, liquids or wax are dropped or spilt through the ventilation slits in the back of the set. If this should happen, switch off the the set immediately with the On/Off switch and pull out the mains plug.
- Never remove the rear panel from the set. Only have the set repaired by the service technician.
- In case of imminent thunderstorms, pull out the mains plug and the antenna plug from the socket to protect your set.



Operating for the first time – switching on/setting the dialog language

Please note!

This chapter deals only with the operating procedures necessary for first time operation.

If your dealer has already taken care of searching and storing the TV stations for you, the menu described below no longer appears!

If you want to search for and store TV stations, e.g. if you move house, consult the chapter **“Automatic programming”** which begins on page 62.

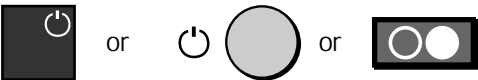
Operating for the first time

We want to make the station search and storing as easy as possible for you. A language list appears automatically the first time you switch on the set. From this you can



1. choose the „Language“ for further operation of the set
2. select the transmission range for TV stations, e.g. **Antenna/cable** = VHF/UHF and cable channels or a **satellite range** providing your set is fitted with a satellite receiver
3. choose the **country** from which you want to receive TV stations.

Switching on the TV set:

Press the on/off button

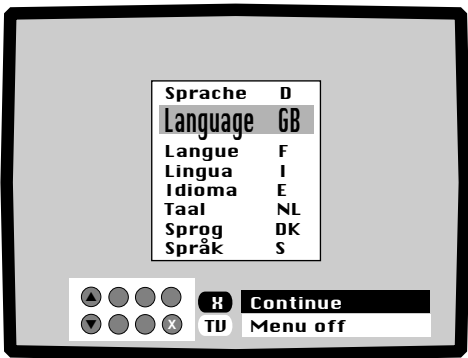


Switching on the TV set

Press the on/off button on the TV set, marked  or , gently as far as it will go. The green On lamp lights up on the local control panel.



Note

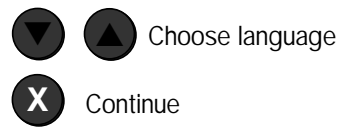
The on/off switch is located behind the flap of the local control panel on some models.



Choosing the language

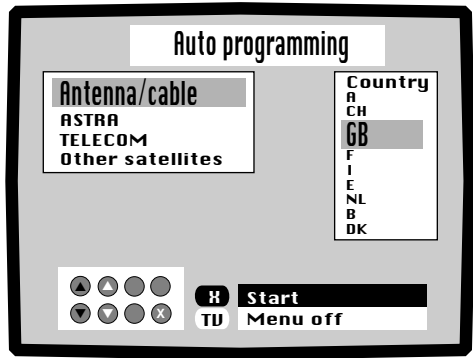
You have two choices:

1. You can accept the „Language“ marked in blue, press the (X) button to „Continue“.
2. Choose another „Language“ with the blue buttons   in the remote control.
3. Then press the (X) button.



Operating for the first time – choosing the country/norm/automatic programming

Choosing the country:



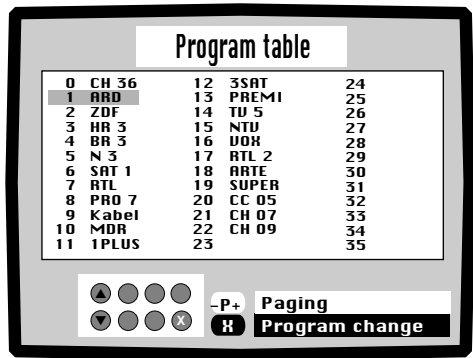
Choose country

Selecting the range:

Only possible with an integrated satellite tuner

Select range

Start auto-programming



Select program

to the TV program

Choosing the country/norm

Mark the country in which you live and want to receive TV stations.

1. Choose the „**Country**“ with the yellow buttons .
2. If the TV set is fitted with a satellite receiver and you choose „**Antenna/cable**“ with the blue button or , all receivable stations in the VHF/UHF and cable channel frequency range and in the frequency range of the Astra satellite will be searched for after starting the „automatic station search“.

Starting automatic programming

This function is only carried out once!

All receivable stations in the selected receiving range are searched for, stored and sorted after pressing the button. Then a program table appears which shows you the assignment of the program slots. You can choose a TV program from the program table immediately with the blue buttons and watch it by pressing the .

Note:

If you discover that stations have been stored more than once or with a poor quality picture, you can delete these stations from the program memories. See the chapter „Deleting programs“ on page 70.

On choosing the country, the TV norm common to this country (in the United Kingdom=PAL-I, in Germany = PAL-BG, in France = SECAM-L etc.) and a country-specific program sorting are called automatically.

For Germany, for example, the ARD program is stored on program slot 01, ZDF on program slot 02, a regional program on slot 03 and so on.

TV stations broadcast their programs in different frequency ranges and on different channels. For instance, in the VHF/UHF range (terrestrial), in cable TV systems also in the special channel range or via satellite in the satellite range.

If you choose the **ASTRA** satellite, the set searches for stations with the PAL norm in the 910 to 2050 MHz frequency range. Both polarization levels are searched one after the other. On condition that the antenna system is suitable for a polarization switching with 13/18 volts.

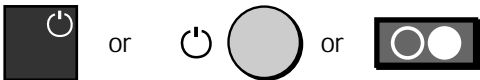
If you choose the **Telecom** satellite, the set searches for stations with the SECAM-L norm.

If stations with teletext or VPS identification are found, an abbreviation for the program name is stored as well.

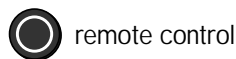
If you want to store the TV programs in a different order, see the chapter „Sorting programs“ on page 69.

Switching on/off – changing the dialog language

Press the on/off button on the set:



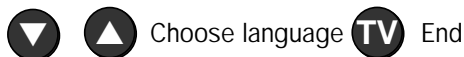
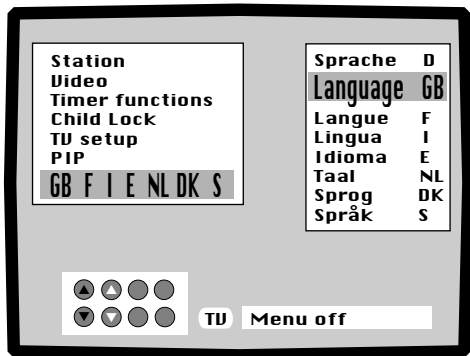
Switching off, to standby:



Switching on „TV“:



Menu/dialog language



Switching on the TV set

Press the on/off button or on the TV set gently as far as it will go. The green On lamp lights up on the local control panel.

You can normally leave the on/off button pressed.

Switching off

You can switch off the „TV“ with the „Off“ button on the remote control. The set is then on standby and the red standby lamp is alight.

To turn on the „TV“, press one of the buttons to on the remote control if you want to watch a certain program. Press if you want to switch on the program you were watching last.

Menu/dialog language

You can call the menu by pressing the button.

The menu can be displayed on the screen in German, English, French, Italian, Spanish, Dutch, Danish or Swedish.

Changing the dialog language

Choose the line „D GB F I E NL DK“ with the blue button .

Set „your language“ with the yellow buttons . The dialog language is now stored.

Exit the menu by pressing the button.

Note

The on/off switch is located behind the flap of the local control panel on some models. For Art 84–100 and Art 95–100:

The control section is located underneath the red or green luminous dot (stand-by or operating mode, respectively). Lightly pressing the control section border results in disengagement. The control unit can now be removed.

The set consumes only 1 Watt of power in standby mode.

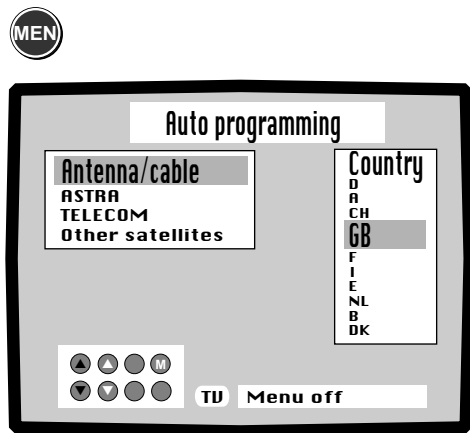
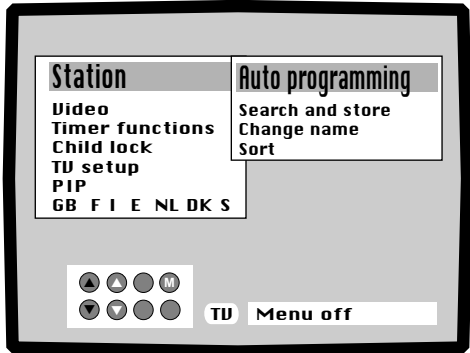
Switch off the set at the on/off button if you are not going to be using it for a long time. The set is then disconnected from the mains.

We recommend you to pull out the mains plug and the antenna plug during thunderstorms.

Automatic programming – choosing the country and reception range

Calling the „Station“ menu:

- Press briefly
- Set „Station“
- Set „Auto-programming“



- Select range
- Choose country

„Station“ menu

The „Station“ menu contains two possibilities for station search and storage.

1. **„Auto-programming“**; with this function, stations can be searched for and stored automatically in a preselected receiving range, e.g. Antenna/cable = VHF/UHF and special channel range. The TV norm is also set on choosing a „Country“. Even the station abbreviations are stored for stations with teletext or VPS identification. Use the „Auto-programming“ function when you move house if TV stations are received on other channels or the range of programs offered by a cable TV system or satellite has been extended.
2. Station **„Search and store“**: This menu enables you to set different TV norms, choose the TV reception range, enter the station channels directly, change program names, allocate the AV sockets to certain programs and set the video recorder „station“ (channel 36...37).

Calling the „Station“ menu

A

Press the button on the remote control.

The **„Station“** line must be marked in blue and the **„Auto-programming“** line in yellow, mark these if necessary with the buttons , , and .

B

Call **„Auto-programming“** with the button.

„Antenna/cable“ must be marked in blue if TV stations from a cable TV system or an antenna are to be searched for.

C

Select the country code for the country in which you live and want to receive TV stations. Stations with the country's common TV norm are then sought and stored in the appropriate order in the automatic station search.

Select the country code with the yellow button or .

„Antenna/cable“ corresponds to the TV range VHF, UHF and special channel range for cable systems.

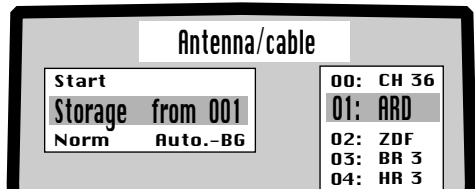
If your set is fitted with a satellite tuner, you can also search for stations in the receiving range of the satellites ASTRA, TELECOM etc. Then the line for the satellite must be marked in blue. See the satellite operating instructions for further details.

TV stations broadcast TV programs with different TV norms depending on the country. On choosing a country, stations with the following norm are searched for:

Country	Norm
D	PAL-BG
A	PAL-BG
CH	PAL-BG and SECAM-L
GB	PAL-I
F	SECAM-L
I	PAL-BG
E	PAL-BG
NL	PAL-BG
B	SECAM-L and PAL-BG
DK	PAL-BG
S	PAL-BG

Automatic programming – storage from/start programming

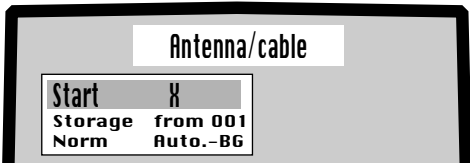
 Press




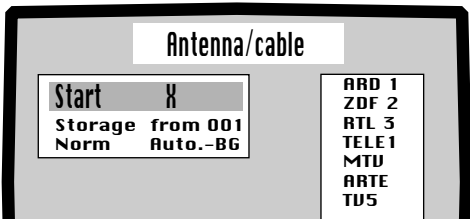
Enter „Store from“:



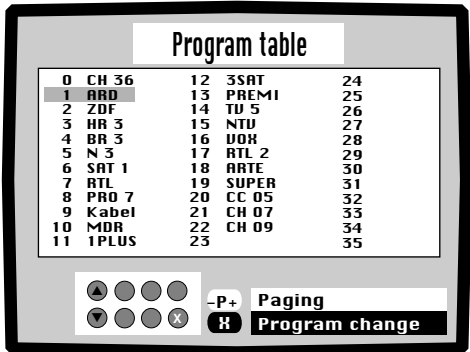
 Select „Start“



 Start „Auto-programming“

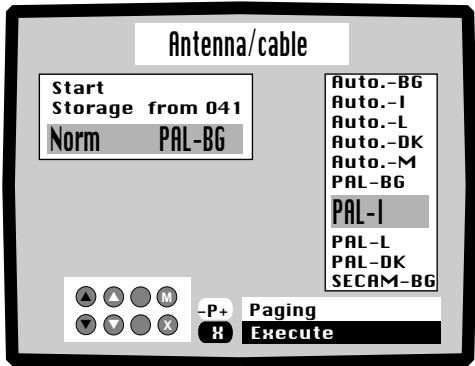


Stations are searched for and stored



Automatic programming – set other norm

Select „Norm“



Select Norm

Enter norm

Mark „Start“ Start

G

Selecting the TV norm

If you want to search for stations with different norms, mark the line „Norm“ with the blue buttons . A list of available TV norms will appear on the right. If you choose the „Auto.-BG“ norm, all stations with the BG norm, e.g. PAL-BG, SECAM-BG etc., will be searched for automatically. However, if you set PAL-I, only stations with this norm will be searched for. You can turn to the second page of the norms list with the or button. Select a TV norm with the yellow buttons . Press the button to execute. Then mark the „Start“ line with the blue button . Start „Auto-programming“ with the button. The program table is then displayed on screen.

TV norms

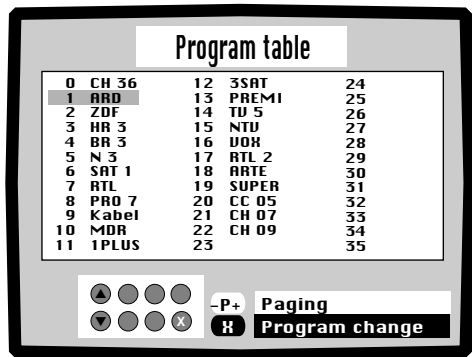
The TV norm is set when a country is selected. Set the appropriate norm if you want to search for TV stations from other countries.

Norm	Country
Auto.-BG	all norms with the suffix BG
Auto.-I	all norms with the suffix I
Auto.-L	all norms with the suffix L
Auto.-DK	all norms with the suffix DK
Auto.-M	all norms with the suffix M
PAL-BG	D, DK, S, NL, A, I, E, P, N, B etc.
PAL-I	Great Britain, Northern Ireland
PAL-L	Special norm for camcorders in France
PAL-DK	China
SECAM-BG	Greece, Lebanon, Tunisia
SECAM-L	France
SECAM-DK	Poland, CR, SR, Hungary, Russia
NTSC	Japan, USA, US military stations in Europe
NTSCV	special norm for NTSC video recorders and for PAL video recorders which can play cassettes recorded with NTSC (PAL/ 60 Hz), e.g. Loewe OC 985.


Program table - Changing program names

Calling the program table:

 Press





  Select The Program

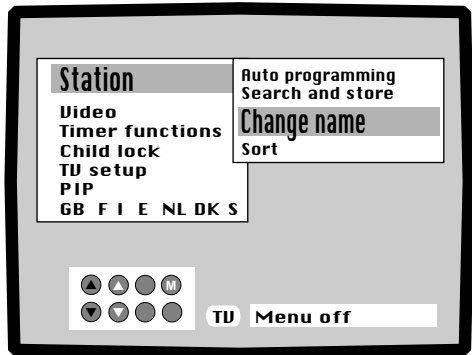
 Switch to TV program

Calling the menu:

 Press

  Set „Station“

  Set „Change name“






 Press

The program table gives you an at-a-glance view of the stored stations.



The program number is displayed on the left and the program name on the right. If a program name is displayed in red, this means the program is locked (parental lock active).

Calling the program table


A

Press the  button on the remote control. Page through the program table with the   buttons up to 99 or 199 respectively.

B

You can choose a TV program directly from this table with the number buttons on the remote control, the program table then disappears immediately; or select with the blue buttons  .

C


Press the  button to switch to the desired TV program.


Changing the program name

With the „Change name“ menu, you can enter a program name or select a station name from a table. This is useful, for example, in the case of stored stations without station names. These stations are entered in the program table, for example, with CH, CC or in the satellite range S and the channel number.


Calling the „Change name“ menu

A


Press the  button briefly.

The „Station“ line must be marked in blue. Mark it with the  button if necessary.

B

Select the „Change name“ line with the yellow button .

C

Press the  button.

The name of the currently set TV program is displayed on the left.

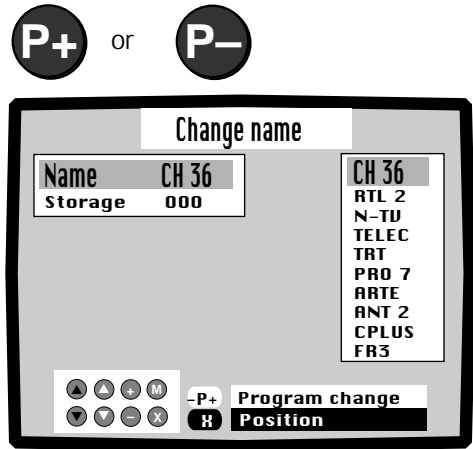
Do you need more than 100 program places? You can easily extend the set to 200 program places. This is described on page 73.

Additional information after a program name or the program number, e.g. the number 1; 2; or 1!; 2! or an S! indicates an audio/video function. Read the Audio/Video chapter for more details. R stands for a satellite radio program.

On the right you will see a table listing familiar program names of stations which do not broadcast teletext or VPS identification. Only the first program name is the name of the currently set TV program. You can select a program name from this table and transfer it to a program slot at which a station has been stored without a name.

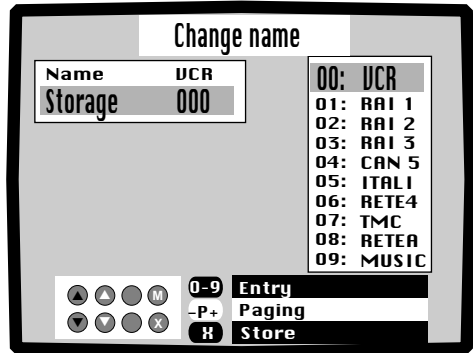
Changing the program name

Selecting a program slot:



Entering the program name:

- +** or **-** Call letter, number or symbol
- X** second position
- +** or **-** second letter and so on
- ▼** Mark „Store“ line in blue



- X** Press to store
- TV** Exit menu

D

Select the program slot at which you want to enter or change a name, e.g. program slot 00 or 000, with the **P+** or **P-** button.

You can enter the name **VCR** for video recorder at program slot 00 or 000 instead of CH36 for example.

E

The letters A to Z, numbers 0 to 9 and symbols +, -, . or blank can be used. Press the **+** or **-** button until the **V** appears.

F

Call the next position with the **X** button.

G

Select the next letter, e.g. the **C**, with the **+** or **-** button.

Repeat steps F and G accordingly for further positions.

In this way you can enter a program abbreviation with up to 5 positions. When the abbreviation, e.g. VCR, has been entered completely, store the "Name".

H

Press the **MEN** button or mark the „Store“ line with the blue button **▼**.

J

Store the program name, press the **X** button.

If you do not want to change or enter any other names, exit the menu by pressing the **TV** button.

Allocating a program name

If you find a station without a name when paging through with the **P+** **P-** buttons, find out which station this is, e.g. with a TV guide or a logo displayed on screen.

1. Select a suitable name from the table with the yellow button **▼** or **▲**. The program name is entered immediately under „Name“.
2. Select the „Store“ line with the blue button **▼**. The currently set program number flashes. You can now store the program name at this program slot or choose another program slot with the number buttons.
3. Store the program name, press the **X** button.
4. You can exit the menu by pressing the **TV** button.

Sorting programs – moving

Sorting programs

Call the menu



Press



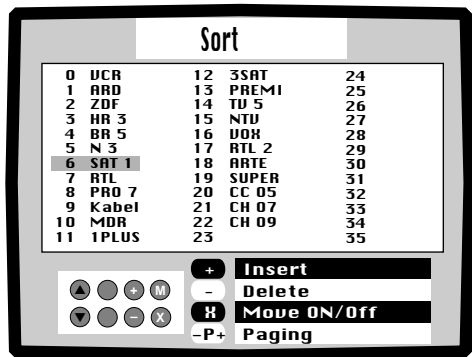
Select the „Station“ line



Select the „Sort“ line



Press



Mark the program name



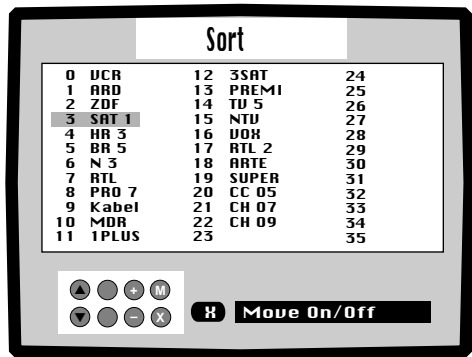
Press , program name flashes



or



Move name to desired program slot



Press, move ended

Changing the program assignment

The „Sort“ menu enables you to sort stored programs or delete programs as you wish. You can also insert programs, the program name is deleted. You can store other stations at these program slots without changing the order of programs.

A

Call the menu, press the button. The „Station“ line must be marked in blue, mark it with the blue button if necessary.

B

Mark the „Sort“ line with the yellow button.

C

Call the „Sort“ table, press the button.

D

Select the program name which is to be moved, e.g. SAT 1, with the blue button or .

E

Press the button, the program name flashes.

F

Move the program name to the desired program slot with the blue buttons , .

G

Press the button. The program names and data are moved. Repeat steps D to G if you want to resort other programs.

You can move every program to any program slot.

Program slot 0 should not be assigned to a TV program.

This program slot is reserved for video recorder playback (short time constant) and is pre-programmed with channel 36.

If you move a program name to another program slot, all the appropriate program data are moved with it.

Sorting programs - deleting and inserting

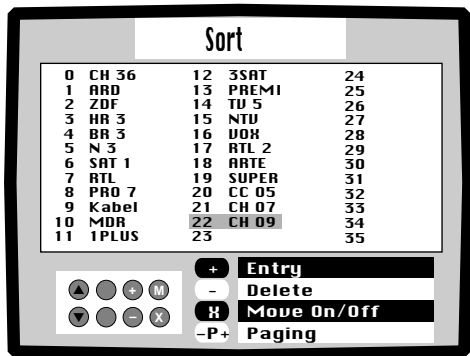
Deleting the program name :

Call the „Sort“ menu

Press; the „Station“ line must be marked in blue

Mark the „Sort“ line in yellow

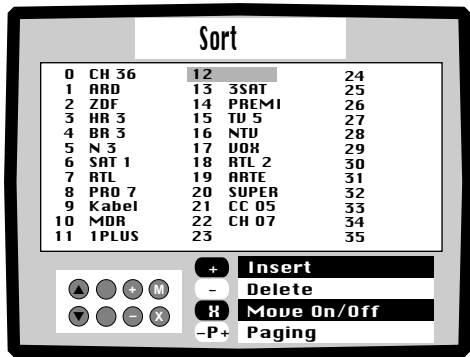
Press



Select the name to be deleted

Delete the program name

Inserting a free program slot:



Select program slot

Insert End

Deleting program names and program data

A

Call the „Sort“ menu, press the button. The „Station“ line must be marked in blue, mark it if necessary.

B

Mark the „Sort“ line with the yellow button.

C

Press the button briefly. A program table is displayed on screen.

D

Delete the program name:

Select the program name to be deleted with the blue buttons , .

E

Press the button briefly once. The name disappears after 1 or 2 seconds.

When a program name is deleted, the other names are shifted one place forward.

Inserting a free program slot

This function enables you to insert programs later. A program memory is only displayed with the program number in the program table. New station data can be stored in this program memory.

A

Select a program slot for insertion in the „Sort“ menu with the blue buttons , , e.g. program slot 12.

B

Insert program slot, press the button. All the following program names are moved one place to the next free program slot.

You can enter station data at a free program slot with the "Station search and store" menu.

Note: If all the program places are occupied, the last one (99 or 199) will be deleted when a new program is entered.

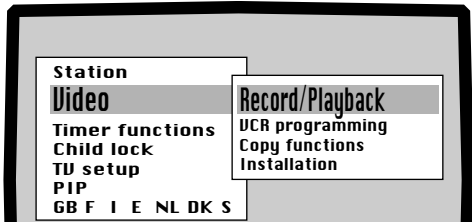
C

Exit the menu by pressing th button.


Searching for and storing station

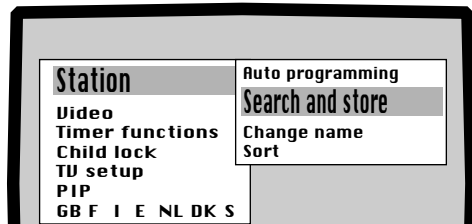
Calling the the „Station - search and store“ menu:

 Press briefly

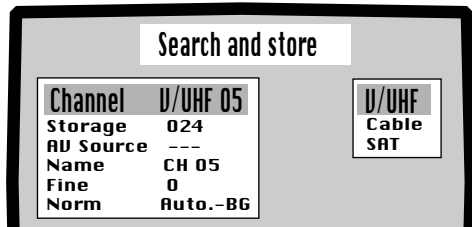




  Select line „Station“



 Select line „Search and store“



 Press



  Select the frequency range


  Enter channel directly,
e.g. 08 for channel 8

The „**Station - search and store**“ menu enables you to store further stations later in addition to those already stored. The following functions can be executed:


1. Select the TV frequency range.
2. Enter the channel number or, in the case of satellite reception, the frequency for a station.
3. You can expand the number of selectable programs from 100 to 200 in a set with a satellite tuner.
4. Assign an AV source to the program slot (see also page 95).
5. Carry out station fine tuning if reception conditions are difficult.
6. Set the TV norm.
7. Enter or select a program name.

Calling the „Station - search and store“ menu

A

Press the  button. The „**Station**“ line must be marked, mark it if necessary.



B

Select the „**Search and store**“ line with the yellow  button.

C

Press the  button.

Selecting the reception range

You can choose between the ranges „VHF/UHF“ and the special channel range „Cable“ for cable TV systems. Select the frequency range with the yellow buttons  .

Entering the station channel directly

If you are familiar with the local channel numbers of the TV stations, you can enter the channel number directly with the number buttons.

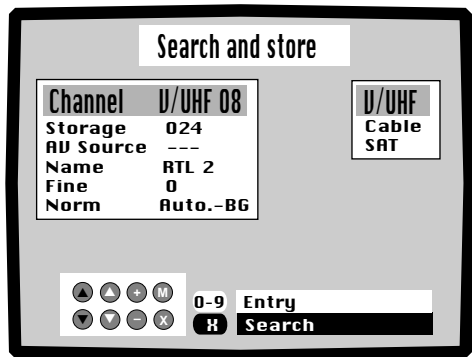
If the „**Channel**“ line is marked in blue, the channel number can be entered. Channel number are entered in two digits, e.g. 08 for channel 8.

The channel number must be entered in three digits in the satellite range.

Note

Before you enter a channel number or search for a station, the preset TV norm „Norm Auto.-BG“ may have to be changed. See the chapter TV norms on page 72. Also consult the table „Channels and norms of some countries“ at the end of these operating instructions.

Station search and store



Searching for stations manually:

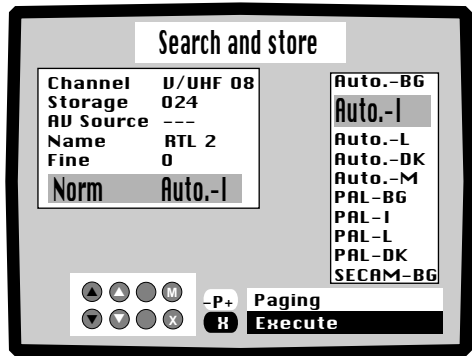
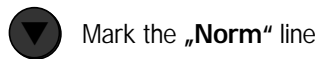
Switch from channel to channel



Starting station search:



Setting the TV norm:



Searching for the station channel manually

You can search for stations in the previously selected frequency range by pressing the **+** or **-** button briefly and thus switching from channel to channel.

Station search

Start the station search by pressing the **X** button briefly.

The channel numbers change. The search stops when a station has been found. If the picture and sound are not perfect or you want another station, restart the search.

Setting the TV norm

If you want to receive TV stations from other countries, you may have to set the correct TV norm before you can set the channel number or start the station search.

1. Mark the **„Norm“** line with the blue button **▼**.
2. Select the appropriate TV norm with the yellow buttons **▽** **△**. Other norms are displayed when you press the **P+** or **P-** button.
3. Enter the selected norm, press the **X** button.

Now you can set a station channel or search for a station as described above.

4. Press the **MEN** button, the **„Store“** line is selected automatically. Press the **X** button if the program number is OK.

Note:

The exact station frequencies for every channel are stored in this set and are observed exactly when entering a channel number or during the search. Under unfavourable reception conditions, e.g. non-standard transposers of community antenna systems, transposers of a satellite antenna (LNC, LNB) or in the video recorder station, it may be necessary to carry out fine tuning for best picture and sound quality. See the chapter „Station fine tuning“.

Norm

Country


Auto.-BG	all norms with the suffix BG
Auto.-I	all norms with the suffix I
Auto.-L	all norms with the suffix L
Auto.-DK	all norms with the suffix DK
Auto.-M	all norms with the suffix M
PAL-BG	D, DK, S, NL, A, I, E, P, N, B etc.
PAL-I	Great Britain, Northern Ireland
PAL-L	Special norm for camcorders in France
PAL-DK	China
SECAM-BG	Greece, Lebanon, Tunisia
SECAM-L	France
SECAM-DK	Poland, CR, SR, Hungary, Russia
NTSC	Japan, USA, US military stations in Europe
NTSCV	special norm for NTSC video recorders and for PAL video recorders which can play cassettes recorded with NTSC (PAL/60 Hz), e.g. Loewe OC 985.

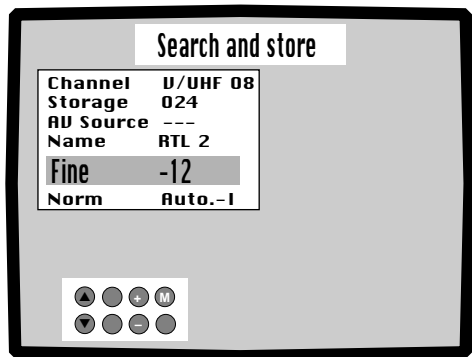
Ask your dealer which norm needs to be set for specific stations or video recorders.

As described here, you can store all the following entries in this chapter. In all cases you can enter another program number first if you want to store at a different program slot to the one called.

Station search and store

Calling the „Fine tuning“ menu:

 Select the „Fine“ line





Fine tuning of the station:


 picture sharper  picture unsharp

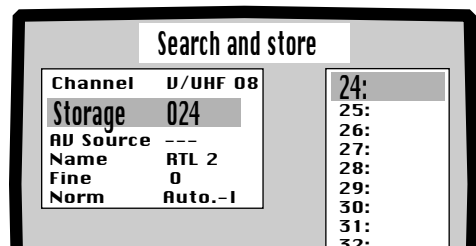
Program name:


 Select „Name“ line

  Select program name

Selecting the memory slot:

 Select „Storage“ line





 Select memory slot or enter with the number buttons



 Store

 End

Fine tuning of the station

The TV sets itself automatically to the best picture quality (AFC). In the unlikely event that the picture needs to be adjusted, e.g. for the video recorder station, you can change the station adjustment with the fine tuning.

Select the „Fine“ line with the  or  button.



Tune to an „oversharp picture“ with the button  and to an „unsharp picture“ with the  button. Pay attention to the channel number when tuning, the fine tuning may overlap the channels.

You can fine tune a stored station later.

First select the program slot. Then call the „Station search and store“ menu. Select the „Fine“ line and set the optimum picture. The AFC is switched off by changing the fine tuning!

Program name

If no name is entered under „Name“ for the set station, **you** can enter a name or choose one from the name list.



Select the „Name“ line with the  or  button.



Carry out steps E, F and G described on page 68 or select a name from the name list.

Selecting the program slot

Any program slot can be selected. It is, however, advisable to select a free program slot, i.e. one with no program name or channel number.

1. Select the „Storage“ line with the blue button  or .

2. Enter the memory slot in three digits with the numerical buttons (004 = program 4) or select the program slot with the yellow buttons  .

3. Press the  button to store. All the set program data are now stored in this program memory. Exit the menu by pressing the .

Expanding to 200 programs in sets with a satellite tuner:

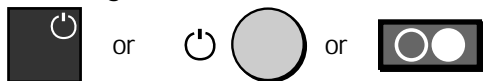
Once the program number 100 has been entered, you will be able to select programs up to 199 in future and the program table shows programs up to 199. If you want to limit your set to 100 programs again, erase all programs from 100 onwards as described on page 70.

Audi/Video source

Using the „Search and store“ menu, it is also possible to select a socket and assign a program slot for audio/video equipment. This function is described in detail in the chapter „Audio/video connections“ on page 95.

Daily operation of the set – switching on/off – changing programs

Switching on the set:



Switching on with the remote control:



Switching off with the remote control:



Selecting TV programs:

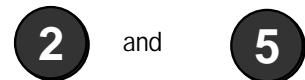
With the remote control

A 1-digit program



Press (about 2 Sec.)

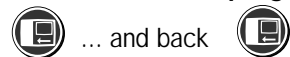
Two-digit program, e.g. 25



With the program buttons



Select last viewed program:



Selecting the TV program on the set:



This part of the operating instructions deals essentially with the program selection, adjustment of contrast, brightness, colour, sound functions and useful additional functions.

Switching on, switching off

If the red standby lamp on the set is alight, switch on the set with the **TV** button on the remote control. The program you were watching last then appears. You can also switch the set on with the number buttons **0** ... **9**, this selects a one-digit program directly.

Switching off to standby

Press the button on the remote control.

Selecting a TV program

With the remote control:

1. A one-digit program by prolonged pressing (about 2 seconds) of one of the number buttons **0** to **9**. A two-digit program by pressing the two numbers one after the other.
2. Program selection with the program buttons **P+** "forwards" and **P-** "backwards".
3. The button with the yellow circle allows you to switch directly from the current program to a preset program.
4. Call the program table, press the button briefly. Select a program in the program table with the blue button or and then press the button. The desired program appears on the screen.

Selecting the TV program on the set:

Switch from program to program, forwards with , backwards with .

Note:

If neither the red nor the green lamp is alight on the set, the set has been switched off with the on/off button. To switch the set on, press this switch gently as far as it will go.

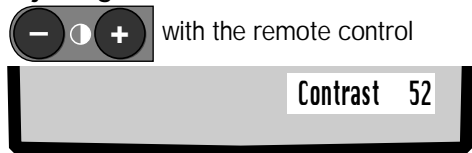
If both lamps are alight, the set is on „Timer recording“ for video recording.

If you have extended to 200 programs, enter 0-19 in three digits and 20-99 in two digits.

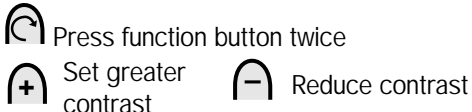
Inserted program slots can be selected with the **P+**, **P-** buttons.

Daily operation of the set – adjusting the picture/contrast, brightness, sharpness

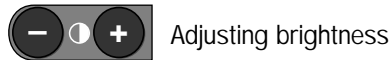
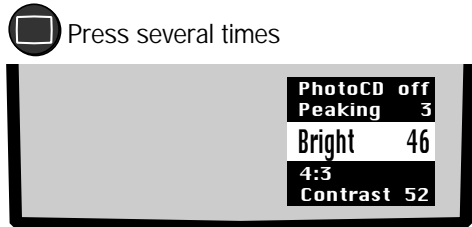
Adjusting the contrast:



On the local control panel:



Adjusting brightness:



Adjusting the picture sharpness:

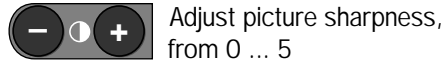
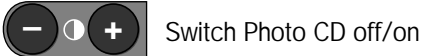


Photo CD



Adjusting the picture

You may want to adjust the contrast, brightness or intensity of colour occasionally depending on the light conditions in the room. The remote control can be used for making all these adjustments. Only the volume, contrast and intensity of colour can be adjusted on the set's local control panel.

Adjusting the contrast

Adjust contrast: Press **Contrast** buttons



Increase contrast: Press the button

Reduce contrast: Press the button

Adjusting the contrast on the set:

Press the function button twice. **<Contrast>** appears on the screen, the contrast can be adjusted with the or button as long as **<Contrast>** is visible on the screen.

Brightness

Press the **Picture functions** button briefly. The picture functions are displayed on the screen for about 10 seconds.

During this time, press the **Picture functions** button until **<Bright>** is marked in white. Adjust the brightness with the buttons .

Picture sharpness

Press the **Picture functions** button until **<Peaking>** is marked. The picture sharpness can be adjusted slightly with the buttons . Value 5 is the highest picture sharpness.

Photo CD

If a Photo CD is connected and set (see page 96), the **<PhotoCD On>** function is set automatically when playing back. This improves the playback quality. Switch off: Press the **Picture functions** button until **<PhotoCD On>** is marked. Switch off with one of the buttons .


The value for the contrast adjustment depends on the brightness of the room. Rule of thumb: The brighter the environment, the higher the contrast must be set.

A numeric value is displayed as a guide when adjusting the contrast or brightness and so on.


We also recommend you to select the **<S-Contrast>** function for Photo-CD-Show; keep the **Contrast** button pressed until the value **62** is displayed, release briefly and then press again. **<S-Contrast>** is displayed on the screen. This will give you the best picture quality! Note: You should not set **<S-Contrast>** for freeze frames because this could cause burn marks on the picture tube.

Daily operation of the set – picture format 4:3, 16:9, Cinema, Zoom/adjusting the colour


Selecting the picture format:

 Press several times until a picture format is displayed




 Switch the picture format


Adjusting the colour:

 with the remote control




On the set's local control panel:

 Press function key three times

 Colour stronger

 Colour weaker


Adjusting the tint:

 Press until <Tint> is marked in white




 Adjust tint

Selecting the picture format

Press the **Picture functions** button  until the last but one line of the picture functions is marked in grey.

You can switch to format 4:3, Cinema, Zoom, Zoom 16:9 or Ext. 16:9 picture format with the Contrast buttons


 . You can set "Cinema" for super cinemascope films for example, the black bands at the top and bottom of the picture then disappear.

Subtitles on the film displayed in 4:3 format may no longer be visible in Zoom or Cinema. In this case you can move the picture up or down with the blue buttons

 .

Adjusting the colour


It is best to use peoples' faces as a basis for adjusting the colour.



Adjust the colour intensity with the **Colour** button  .

Colour stronger: Press  button

Colour weaker: Press  button


Adjusting the colour on the set

Press the function button  three times.

<Colour> is marked in white on the screen. The colour intensity can be adjusted with the  or  button as long as <Colour> is displayed on the screen.

Adjusting the tint

This function can be used to adjust the tinting slightly to red or blue.

Press the **Colour functions button**  until <Tint> is marked in white.

Blue tint with  button, red tint with  button.

This colour adjustment is particularly effective when receiving a station with the NTSC norm.

Most TV productions are broadcast in 4:3 picture format at present. This matches the picture format of most TV sets. However, productions are also broadcast in 16:9 format. There are then black bands at the top and bottom of the screen. In TV sets with 16:9 picture format it is possible to get this broadcast to fill up the whole screen. You can adapt your TV picture to various transmission formats. Pay attention to the correct picture geometry.

In sets with 16:9 picture format:

If a PALplus station is received, this is displayed on the screen by „PALplus“. The TV then switches automatically to the appropriate format (black bands may still be visible at the top and bottom of the picture, but this is caused by the station).

Daily Operation of the Set – Freeze/DNC/DLC

Switch on freeze



continue, moving picture

Set DNC

press until **<DNC>** is marked in white



Set DNC

Switch DLC on/off

press until **<DLC>** is marked in white



Switch DLC on/off

Switch freeze on/off

The freeze function is particularly practical when you want to note something down, e.g. a telephone number. You can switch on the freeze function and go and get paper and pen.

Press the red button . The picture freezes. The sound continues in the background.

Press the button again to continue watching the program.

If PIP is switched on, the small picture window is faded out first, then press the button again. You will get a moving picture if you change channels.

Set Digital Noise Control

Colour noise in the TV picture e.g. due to bad reception, can be eliminated or considerably reduced with the DNC (Digital Noise Control).

Press the **Colour functions** button until **<DNC>** is marked in white.

Set noise control between 0 (none) and 3 (maximum) with the buttons.

Your TV set is set at the factory to value 1 which generally guarantees optimum picture quality. We recommend that you only change this value temporarily in the event of strong picture noise.

Set Digital Line Control

The line flicker on horizontal structures of the TV picture, e.g. the lines on a tennis court or on windows displayed in the TV picture can be eliminated by switching on the DLC (Digital Line Control).

Press the **Colour functions** button until **<DLC>** is marked in white.

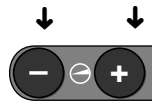
Switch the digital line control on and off with the buttons.

You will see the effect immediately in the display for this setting. The line flicker is suppressed.

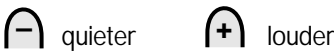
Daily operation of the set – adjusting the sound/volume/treble-bass

Adjusting the volume:

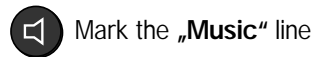
With the remote control
quieter louder



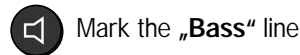
Adjusting the volume on the set



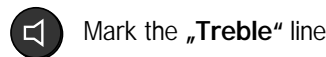
Setting speech or music:



Adjusting bass:



Adjusting treble:



Adjusting the sound

All the sound functions can be adjusted with the remote control. Only the volume can be adjusted on the set.

Volume

Adjust the volume, **Volume** button

Press on the remote control.

Louder: Press button .

Quieter: Press button .

Adjusting the volume on the set

Press the **function button** once.

<Volume> appears in grey on the screen.

You can adjust the volume as long as this is displayed on the screen.

Button louder; button quieter.

Switching sound to music/speech

<Music> is always set after switching on. If you switch to <Speech>, the bass and treble tones will be reduced to make speech clearer.

Press the **Sound functions** button until <Music> is marked white. Switch to <Speech> or <Music> with the buttons.

Adjusting the bass

Press the Sound functions button several times until <Bass> is marked in white. You can adjust the bass with the buttons as long as this is displayed on the screen.

Adjusting the treble

Press the **Sound functions** button several times to mark <Treble>. Increase or reduce the treble with the buttons.


Numeric values are displayed as a guide when adjusting the sound. If no station is being received, the set mutes the sound. You can still set a volume. The sound is then audible at this volume when you receive a station.

Note:

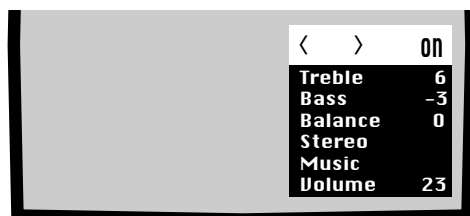
If you press the function button on the set's local control panel four times, you select „Service“. This function is reserved for the service technician!

Daily operation of the set – adjusting the sound/mono/stereo/balance, 2 sound


Selecting stereo wide or depth of sound for mono:

 Select < > Off line

 Switch to < > On




Switching from stereo to mono:

 Select „Stereo“ line

 Switch to „Mono!“




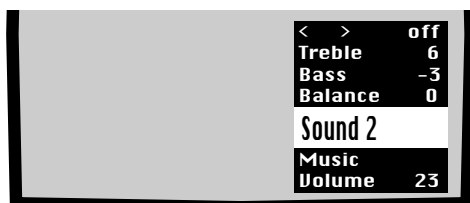
Adjusting the balance

 Select "Balance" line

 Adjust balance

Two sound broadcast, Sound 1 or Sound 2



 Switch





Wide or depth of sound < >

The function < > (wide/depth of sound) can be switched on or off.

Switch wide/depth of sound:




Press the **Sound functions** button  several times to mark „< > Off“. You can switch to „< > On „ with the  buttons as long as this is displayed on the screen.

Switching from stereo to mono




The set switches automatically to stereo when it receives a station with stereo sound. However, if you still want to listen to the sound in mono: Press the **Sound functions** button  until <Stereo> is marked. You can switch to <Mono!> with the  buttons.

In stereo reception, the „Wide on“ gives the impression that the loudspeakers are farther apart. The considerably increases the stereo effect. In mono reception the depth of sound is improved.

Adjusting the balance

Press the **Sound functions** button  several times until <Balance> is marked. Adjust the volume of the right-hand or left-hand loudspeaker with the  or  buttons to achieve optimum stereo reproduction.

Two sound broadcast

If you switch to a program with two-sound transmission, <2 Sound> is displayed in addition to the program name. You can choose between the main language Sound 1 and the foreign language Sound 2. Select <Sound 1> by pressing the Sound functions button  several times, switch over to <Sound 2> with the  or  buttons.




„Nicom“ sound norm






The TV set must be equipped with a Nicam decoder in order to receive the Nicam sound norm.

Stations with the „Nicom“ sound norm can be received in Belgium, England, Spain, Sweden and France. The set switches automatically to the Nicam norm for Nicam sound broadcasts.

If the station broadcasts stereo sound, the display <Stereo> appears, <Nicom> appears for a mono broadcast.

If you want to listen to a stereo broadcast in mono, e.g. because there is some interference, switch the sound function from <Stereo> to <Mono!>.

1. Press the Sound functions button  until <Stereo> is marked in white.
2. Press the buttons  or  briefly, display <Mono!>. This adjustment is retained until you switch back over to <Stereo>.

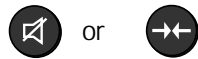
If you want to know whether the station is broadcasting in Stereo, Mono or 2 Sound, press the  button briefly. Stereo, Nicam or 2 Sound appears on the screen next to the program name. For 2 Sound broadcasts you can mark the <Sound1> or <Sound2> line by pressing the  button and select the desired sound with the  or  buttons. The displayed sound functions disappear again automatically after a few seconds or press the  button again.

Daily operation of the set – switching off sound/headphones

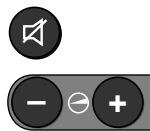
Switching off the loudspeaker sound:



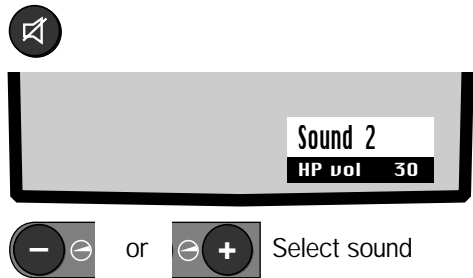
Switching sound back on:



Adjusting the headphones volume:





Selecting Sound 1 or Sound 2 for the headphones:




Switching the loudspeaker sound back on:



Switching sound off, on


The loudspeaker sound is switched off and **<Mute>** displayed in red for a few seconds on pressing the **Mute** button . Press the  button again to switch the sound back on.

The sound can also be switched back on with the **Picture/sound normal** button .


Listening with headphones

The headphones jack is designed for 6.3 mm stereo jack plugs and is on the set's local control panel or for Art 84–100 and Art 95–100 at the front bottom right on the housing base. Use headphones with an impedance of 32 ohms or higher. You can adjust the headphones volume independently of the loudspeaker volume.

Adjusting the volume






First switch off the loudspeaker sound by pressing the Mute button .

Display: **<Mute>**

Then set the volume with the volume buttons   .

Selecting Sound 1 or Sound 2


The sound channel can be selected separately for headphones and loudspeakers for 2 Sound broadcasts. Select the sound channel for the headphones:

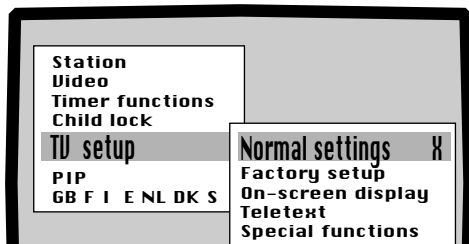
1. Press the **Mute** button .
2. Press the **Sound functions** button  until **Sound 1** or **Sound 2** is marked white.
3. Switch over the sound channel with the  or  button.
4. Press the **Mute** button  again., the loudspeaker sound is switched back on.





Depending on the selection, it is now possible for different sounds to be listened to on headphones and loudspeakers, e.g. the main sound 1 on the loudspeakers and the foreign language sound 2 on the headphones.

TV setup - picture/sound – normal picture and sound/factory setup


Storing normal setup values for picture and sound:


 Call the menu

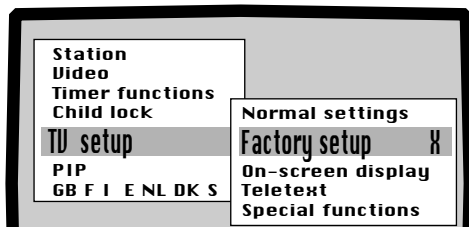






-  Select "TV setup"
-  Select "Normal settings"
-  Store
-  Normal values

Picture/sound factory setup

 Call the menu

 Select the "TV setup" line







-  Select „Factory setup“
-  Call factory setup
-  Select "Normal settings"
-  Store as normal setting

Normal values for picture and sound

You can set the values for contrast, brightness, sharpness, colour intensity, DNC, DLC, volume, treble, bass, balance and headphones volume to meet your own requirements and store them as your own personal „Setup values“.


Adjust the picture and sound first. Then store the set values with the „TV setup“ menu.

1. Call the menu by pressing .
2. Select the „TV setup“ line with the blue button .
3. The „Normal settings“ line must be marked in yellow, mark with the yellow  button if necessary.
4. Press the  button to store.

Your setup values for picture and sound are now stored and remain your personal „normal values“ until you store different values with this menu.

The set and stored values apply for all programs. If you detect great differences in volume or colour for various programs, you can alter the volume and colour for individual programs. How to do this is described on the next page.







The „Normal values“ are retained even when the set is switched off at the on/off switch. The „normal values“ are called automatically when the set is switched back on.

You can call „your normal values“ again and again with the **Picture/sound normal** button .

Picture/sound factory setup

The factory setting gives you a suggestion for the optimum settings of picture and sound. You can adopt the factory setting as the normal TV setup.

Call factory setup:

1. Call the menu by pressing the  button.
2. Select the „TV setup“ line with the blue button .
3. Select the „Factory setup“ line with the yellow button .
4. Call factory setup, press the .
5. Mark the „Normal settings“ line with the yellow button .
6. Store with  as „normal setting“.

The factory setup values are fixed values for good picture and sound reproduction. The following are set: contrast, brightness, colour, DNC, DLC, volume, treble, bass, balance and headphones volume.

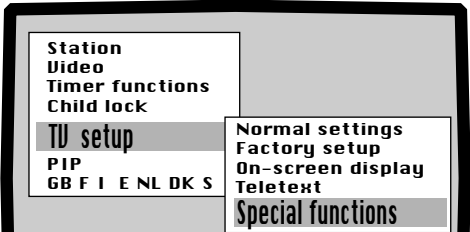
TV setup – Additional functions – Volume and colour correction

Volume and colour correction:

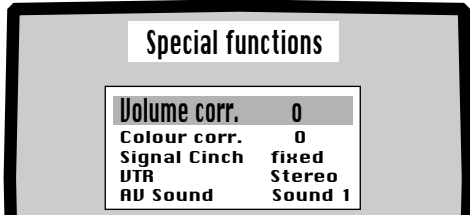
- 1. Select program slot
- 2. Select menu

   Select „TV setup“

 Select „Special functions“




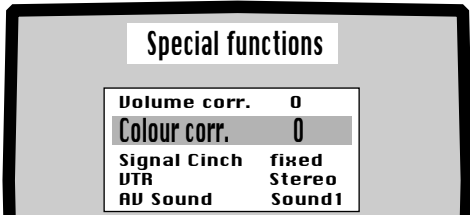
   "Volume corr."



 or  Adjust volume

Adjusting colour intensity:

 Select the „Colour corr.“ line









 or  Adjust colour


 End TV setup

Volume and colour correction

The user menu „TV setup - Special functions“ allows a program-related volume and colour correction as well as settings for cinch sockets, the used video recorders and the AV sound.

If, for example, you receive TV stations with different norms or satellite stations, differences in volume or colour intensity may occur when switching from one program to another.





- 1. First select the program slot at which you want to store the corrected values for volume or colour intensity.
- 2. Call the menu by pressing the  button.
- 3. Select the „TV setup“ line with the blue button .
- 4. Select the „Special functions“ line with the yellow button .
- 5. Press the  button.
- 6. If the „Volume corr.“ line is marked in blue, the volume can be increased with  and reduced with . The colour corrections can be made in the same way after marking the „Colour corr.“ line in blue.

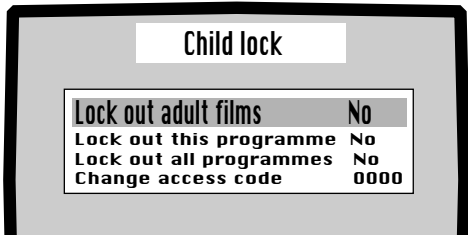
The setup values for this program slot are stored when you exit the menu by pressing the  button.



Set the volume and the colour intensity so that they are no different to the other programs.

Parental Lock

Set and activate the parental lock

-  Call the menu
-  Select „Parental lock“  



-  Select kind of lock
-  Switch lock on/off

Enter time, e.g. 22.00 h, for „Lock all programmes from“




Activate parental lock:

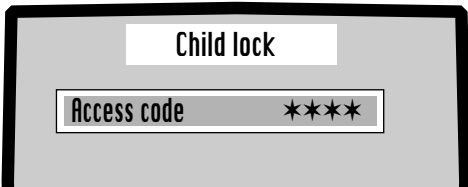
-  Select „Change secret code“

Enter/change secret code:



-  End TV setup

Request the secret code:








Enter the secret code 

You can lock access to the TV set in different ways:

1. Lock adult films which the station provides with a code.
2. Lock individual programs which you choose yourself.
3. Lock all programs and lock all programs after a certain time.




Set and activate the parental lock

1. Call the menu with the  button.
2. Select the „Parental lock“ line with the blue button .
3. Press the .
4. Select the type of lock with the blue button . Switch the lock on (Yes) or off (No) with the .

„Lock adult films“

Only those programs are locked which the station broadcasts with an appropriate identification.

„Lock this program“

The program you have just selected is locked. If you want to lock other individual programs, select these with  and  and lock each one with .

In addition to the possibility of locking all programs, you can set a time from which all programs are to be locked. Set the time.

„Change the secret code“

Secret code 0000 is the basic setting. This means the parental lock is not activated. Enter your own secret code to activate it.

Operation with the parental lock activated

After switching on, on reaching the „Lock time“, on receiving „adult films“ or on selecting a locked program, the picture disappears and the secret code is requested. If you want to carry on watching the TV, enter the secret code. If the secret code is unknown, e.g. to children, the set switches off after 20 seconds.

You can set several locks: e.g. „Adult films“ and „certain programs“ and „all programs from“

If „Access code ****“ appears, a code number has already been stored, you must enter this first or cancel the secret code.

On the inside back cover of this manual you will find a code number with which you can erase a secret code you have forgotten. Remove the card immediately and keep it in a safe place. This code number resets to 0000.

At present, the identification „Adult film“ (VPS) is only used by a few stations (e.g. RTL). Information on which films are broadcast with a code can be found in the teletext of the appropriate station.

Locked programs are displayed in red in the program table if the parental lock is activated with the secret code.

In „Lock all programs from“, the lock is active until 6.00 h the next morning.

If you want to clear the set locks, enter secret code 0000. Remember your secret code. For safety, you only see four asterisks on the screen instead of the secret code.

If you enter the wrong code, a message is displayed first.


Note: Once the secret code has been entered, it is not asked for again until switching off.

Timer functions

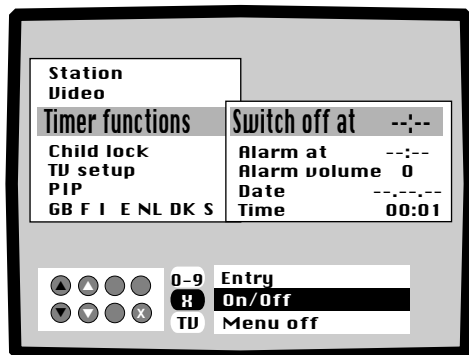
Time:

 On  Off

Setting timer functions:

 Call the menu


 Select „Timer functions“



Entering date - time:

 Select "Date":

 ...  Day,Month,Year

 Select "Time"
Enter time



Enter switch off time:

 Select "Switch off time"
Enter time

Alarm time - Volume:



 or  Select "Alarm at"
Enter alarm time

Display - clear time display


Time on: Press the  Display - clear time display. Time on: Press the  button again. If the time is not correct, set the time as described below.


Timer functions

If you want to be reminded of an appointment at a certain time or you want the set to switch itself off at a certain time, you can set this function in the „Timer functions“ menu.

1. Call the menu with the .
2. Select the „Timer functions“ line with the blue button .
3. Set the date and the time:

If the set has been switched on with the on/off button, the time display begins at zero hours. The time and date will be set automatically if you are receiving a station with TOP teletext such as ARD, ZDF or one of their regional programs. If you are only receiving stations without teletext, you will have to set the time and the date yourself.

Enter the date: Select „Date“ with the yellow button  and enter the day, month and year in two digits with the number buttons.

Enter time: Select „Time“ with the yellow button  and enter the hours and minutes with the number buttons. Senseless entries are not accepted.

Switch off at: The set switches to standby and the red lamp lights up on reaching the set time. Enter the switch off time, select the „Switch off at“ line, enter the hours and minutes with the number buttons.

Alarm time - volume


If these functions are activated, the time appears on the screen and a continuous alarm tone is emitted at the set time if the set is switched on.


To ensure that the time and date can be read clearly, we recommend that you store the local main station with teletext at program slot 1, 2 or 3.

In stations with a simple teletext system it may be that only the date or the time can be seen. In this case, enter the time or date yourself. Your entries always have priority, i.e. the date and time will not change even if you then switch to a station with teletext and a different time zone.

Take the time zone into account for foreign stations, especially when video recording with the timer!





The programmed functions „Switch off at“, „Alarm at“ and „Alarm signal tone“ are repeated daily. The functions can, however, be deactivated without erasing the programmed times.

Select the „Switch off at“ or „Alarm at“ line, deactivate the function by pressing , this is displayed by -- : --.

Switch the function back on: Select the appropriate function and call with .

Timer functions and setting on-screen displays

Volume - alarm signal tone:



-  Select „Alarm volume“
-   Adjust alarm volume
-  Setting end

Volume - alarm signal tone

If this function is activated, you will be reminded of „your“ appointment by a continuous alarm signal in addition to the time being displayed.

Adjusting the volume:



Select „Alarm volume“ with the yellow button .

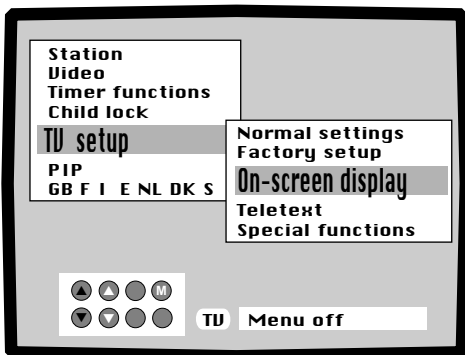
Adjust the volume of the alarm signal with the  or  button.

End Setup: Press the .

If you do not want an alarm signal to remind you of your appointment, set the volume to 0.

Switching on-screen display on or off:



-  Call the menu
-  Select „TV setup“





Setting on-screen displays

You can make the following settings with the „TV setup - On-screen displays“ menu:

- Determine the duration of the on-screen displays, 1 to 10 seconds.
- Switch the display of all picture and sound functions on or off.
- Switch the information Stereo, Mono or 2 Sound transmitted by the respective station on or off.
- Select the position of the on-screen displays, bottom or top.


1. Call the menu by pressing the  button.
2. Select the „TV setup“ line.
3. Select the „On-screen displays“ line.
4. Press the .

Display time: Select the „Display time“


line, a time between 1 and 10 seconds can be set with the  or  button.

Switching picture/sound on and off:



Select the „Picture/sound“ line.

Switch the display of the sound or picture functions off or on with the .

Switching Sound info on-off:

Select the „Sound info“ line. Switch sound info on or off with the .

Position bottom - top:

Select the „Position“ line. Determine whether you want the on-screen displays to appear at the bottom or top of the screen with the  button. End setup by pressing the .

If you adjust the volume or contrast, for example, with „Picture/sound off“, there will be no on-screen display of which function is being adjusted.

With „Sound info off“ you will not get any automatic displays of whether the station is broadcasting in Stereo, Mono or 2 Sound.

-  Select „On-screen display“  

Set display time:

-  or  1 to 10 seconds

Sound info on - off:



Position of on-screen displays bottom or top:

-  Select   End

On-screen displays - TV guide / Subtitles

Display TV guide:



Displaying Subtitles:




TV guide

If the set station broadcasts TOP teletext, e.g. ARD or ZDF, or there is a program preview on a teletext page which you can set (page 301 is preset) for teletext without TOP, you can ask for the title and starting time of the TV broadcast to be displayed. The current time is also displayed.


Display TV guide:

Press the „TV guide“ button  briefly.



Calling program information:

If a page number appears in the yellow field, you can obtain further information on the current program by pressing the yellow button .



Program preview

You can call the program preview page by pressing the green button  as long as the on-screen display is visible.

Turn to the next preview page:

With the green button „TT: forwards“  you can turn to the next page of the preview, with the red button „TT: backwards“  to the previous page. If the message „Page not available“ appears when turning back, press the red button until a page is finally found.

Back to the TV program:

Press the „TV guide“  or  briefly.

Displaying Subtitles

A large number of stations broadcast programs with teletext subtitles for the deaf and partially deaf. Foreign language programs may also be broadcast with teletext subtitles.



Call subtitles:

Press the  button.


Clear subtitles:

Press the  button again.

If a station does not broadcast teletext, the message <No information available> appears. <Searching for program info> is displayed if you call „TV guide“ shortly after changing programs.

If your set is fitted with a PIP tuner or a satellite tuner, you can use the program buttons  or  to view the preview pages of other stations. The program name and number are displayed in the bottom right. The page numbers in the header line change until the new preview page is found.

Once you can see the preview pages, you are already directly in teletext mode and can call other information as well (see the next chapter).

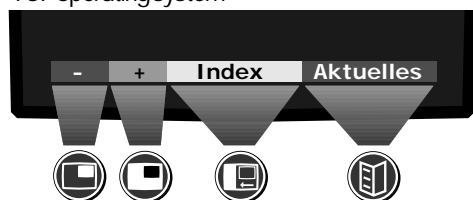
The subtitles are only displayed in the case of TOP teletext or teletext with subtitles on page 150. If the subtitles are on another page, switch on the teletext with  and then select the page with the numeric buttons on the remote control.

Teletext – systems/switching teletext on/off

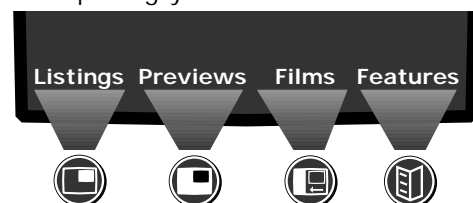
Switch on teletext:



TOP operating system



FLOF operating system



Loewe operating system if no TOP/FLOF



Switch back to TV mode:



or



Teletext signals are broadcast together with the TV signal. Teletext transmits information in word and graphics, e.g. news, weather, sport, program previews and subtitles. The teletext pages are sorted according to subjects, topics and pages. You can select from different subjects and topics and leaf through the pages.

Good reception is a precondition; i.e. little „ghosting“ and no „noise“ in the TV picture. Sometimes the standard frequencies are not kept exactly in satellite receptions and community antenna systems. Fine tuning is necessary in this case.

If picture errors still persist on certain programs, ask your dealer to have a look at your antenna system.

Teletext is broadcast in most programs in the TOP operating system (or the FLOF system abroad). Your Loewe TV set supports both these systems.

Teletext without these systems are also easy to operate with your Loewe TV.

Switching on the teletext

Press the button. You will normally get the overview page 100.

If you switch to teletext mode immediately after switching on the set or changing programs, <TOP/FLOF identification working> will be visible for a short time in the menu line.

If TOP is recognized, you will see four coloured fields in the menu line which have a specific relationship to the buttons of your remote control. These are the buttons below the number block. These buttons have coloured circles which are arranged in the same order and have the same colours as on the screen.

These have the functions:

- with red – turn back page
- with green + turn forward page
- with yellow go to next topic
- with blue go to next subject.

If you switch back to TV mode from teletext and you have not changed the program or switched off the set, the page last displayed is shown when you switch back to teletext.

If the FLOF operating system is recognized, you will usually get the index page, e.g. page 200, instead of page 100. The possible selections are entered in a coloured script or on a coloured background in the menu line.

Not all pages need necessarily be FLOF pages so that <no TOP/FLOF> may appear when you are leafing through the pages.

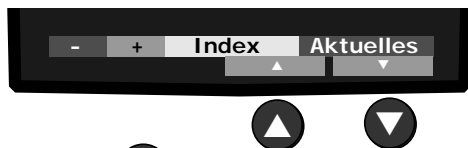
If no operating system is recognized, the LOEWE operating system is activated. <no TOP/FLOF> appears in the menu line.

If no teletext is broadcast, <no text> flashes in the menu line.

Switching back to TV

Switch back to TV mode with the or button.

Teletext – selecting pages



View:



88 View:

Selecting teletext pages

There are various ways of finding what interests you in the teletext:

1. Enter the page number with the number buttons on the remote control. Always enter three numbers. A question mark represents a number which has not yet been entered.
2. Call the overview, page 100, or in FLOF the index page with or

3. Page forward with the green button or backwards with the red button



4. For TOP and FLOF additionally with the buttons , or

5. On overview and index pages or pages with references, mark the page numbers with the or button. Then press the button to view or

6. Call the TOP view in the TOP operating system with the , make your selection from the list of topics with or , then from the list of subjects with or . Press the button to view.

In the case of an input error, press and start again. Whilst the search is in progress the 2nd number indicates the incoming pages; an arrow > is visible in front of the first number in the meantime. If the page does not exist <Page not found> appears briefly in the menu line.

The next available page is turned to automatically in all operating systems. To turn back, the set „remembers“ the last 20 page numbers and goes back to these.

In TOP, turns to the next topic and to the next subject. In FLOF to the specified subjects.

Your TV set searches every teletext page for a page number and then displays the possible selections underneath the menu line. Because this search includes all three-digit numbers, other numbers (e.g. an exchange rate or an amount of an ingredient in a recipe) may occasionally be interpreted as a page number. After marking the page number, you have 5 seconds to select the page with . If you wait any longer, the mark on the selected page disappears and you will have to mark the page again.

Teletext – selecting subpages/multiple pages

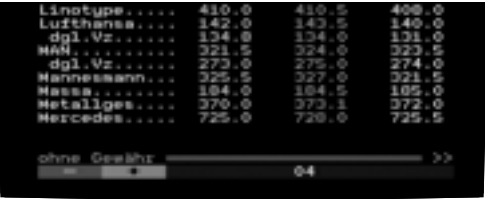
 Hold page change



Fortlaufende Notierungen			3/4
24.08.93	Kassa	Vortrag	
Karstadt.....	584.8	581.5	579.0
Kaufhof.....	536.5	530.5	525.5
Klobeckner.....	78.0	78.0	77.3
Linde.....	840.0	841.0	842.0

 Continue page change

 Store subpages



Linttype.....	410.0	410.5	408.0
Lufthansa.....	142.0	143.5	140.0
dgl.Vz.....	134.0	134.0	131.0
MAN.....	321.5	324.0	323.5
dgl.Vz.....	273.0	275.0	274.0
Hannemann...	325.5	327.0	321.5
Kassa.....	184.0	184.5	185.0
Metallgesellschaft	370.0	373.1	372.0
Mercedes.....	725.0	726.0	725.5



Allianz.....	2469.0	2469.0	2445.0
Altana.....	544.0	545.5	545.0
Asko.....	740.0	741.0	750.0
BASF.....	252.1	252.1	250.5
Bayer.....	292.2	291.4	290.5
Bay. Hypo.....	454.0	453.5	448.5
Bay. Bank.....	475.0	470.0	465.5
BHE.....	563.0	562.0	562.5
Bay. Verbank..	499.0	498.0	495.0

  Leaf through subpages

Enter subpage number directly:






Fortlaufende Notierungen			1/4
24.08.93	Kassa	Vortrag	
AEG.....	169.9	170.1	168.5
AHB.....	1220.0	1220.0	1218.0
AGIV.....	575.0	572.5	573.0
Allianz.....	2469.0	2469.0	2445.0
Altana.....	544.0	545.5	545.0
Asko.....	740.0	741.0	750.0
BASF.....	252.1	252.1	250.5
Bayer.....	292.2	291.4	290.5

Selecting subpages/multiple pages





Multiple pages are pages which are changed without your intervention. Multiple pages usually consist of several subpages which are identified by a four-digit subpage number in addition to the three-digit page number. Multiple pages are often recognizable by a reference on the page such as 04/12; which means page 4 of a total 12 pages is currently on the screen.

1. Hold page to be able to read the contents in peace:


Press the  button if you do not want a multiple page to change.

Press the  button again if you want to continue the page change.

The page number of the subpage is displayed at the top right instead of the time.



The hold page function is also ended if you select another page with  resp.  or  and .

2. Store all subpages:

Press the  button again to hold the page. 01 appears at first in the menu line, this stands for „one subpage stored“. When all the subpages have been stored, you will see an equals sign „=“ at the extreme right of the header line. This means all subpages have been stored.


Not all self-turning pages are subpages. If 0000 is displayed in place of the time, this is a multiple page which can be transmitted one after the other without subpage numbers. These pages cannot be stored and called one after the other.

3. Leafing through the subpages:

forwards with the green button , backwards with the red button .




You can already start paging during the storing procedure. If, however, you want to look at subpages which have not yet been stored, a search is started. The page is then displayed as soon as it is received.

4. Calling subpages directly:

If you want to have a look at a certain subpage, enter the number of the subpage with the number buttons (four digits) after pressing the  button. You will see your entry on the extreme right of the header line.

Teletext – display modes

Double character height:

- 1x  zoom top half
- 2x  zoom bottom half
- 3x  normal size

Newsflash:

Select
newsflash, e.g.



Clear:



TV picture in teletext:



back to teletext:






Uncover:




Teletext display modes




If teletext is switched on, you can switch to TV picture without leaving the teletext. Or you can display an enlarged teletext page, uncover hidden texts and display and clear newsflashes.

1. Set character height large/normal
Press the  button. The top half of the picture is displayed first with double magnification. Press the  button again - the bottom half of the picture is displayed. Back to normal size: press  again.


These special teletext applications also include the subtitles and „Program guide“ which can be called in TV mode as well as the program preview pages in the teletext, you will find the descriptions of these functions elsewhere in these operating instructions.

2. Display and clear newsflash:
If you select a newsflash page, the newsflash appears at the bottom of the TV picture. If you only want to see the current newsflash, clear this with the  button. As soon as the station sends a new newsflash, this appears automatically on the screen.

You will find newsflashes, for example, in many stations on pages 111 and 222. In ARD and ZDF, these are news and sports flashes.

3. TV picture in teletext:
This function is useful if it takes a long time to reach the page you want. You can switch to the TV picture out of teletext mode by pressing . All you can see of the teletext is then the page number in the top left hand corner. You can then choose another page, for example, with the number buttons or . Press the  button again to return to the teletext.

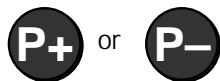
You will see an arrow > in front of the page number as long as the search is going on. The arrow disappears as soon as the page has been found. You can switch back to teletext.

4. Uncovering hidden text/graphics:
Texts are „hidden“ on some pages, i.e. they are not immediately visible. You can uncover these with the  button.

Hidden texts are used, for example, as answers to quiz questions or as VPS pages in the program previews in the teletext.

Teletext – viewing other teletext programs

Switch to other teletext programs:



5. Switch to other teletext programs:

When teletext is switched on, this can only be done with TV sets equipped with a PIP tuner and/or a satellite tuner on terrestrial or cable reception. You can switch to the programs which these tuners receive with the **P+** or **P-** buttons. The program names and numbers are displayed in the menu line. The page set last is now searched for in the selected program and displayed if it exists.

Nothing is changed in the TV setup. You can hear this from the TV sound, it is still from the same TV program which was set previously. If you switch back to TV with the **TV** or **VT** button, you will see the TV program which was originally set.

You can also switch to other teletext programs whilst playing back through one of the AV sockets.

If your TV set has neither a PIP tuner nor a satellite tuner, switch back to TV mode with the **TV** or **VT** button.


Now choose another TV program and switch to teletext with **VT**.

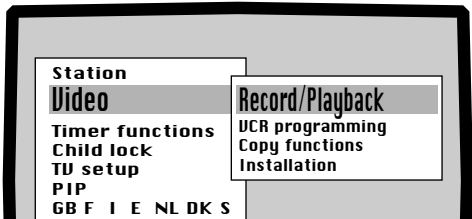
If you switch back with **VT**, the teletext program of the other station is displayed immediately when called.


If teletext is switched off with **TV**, the teletext program of the selected TV program will be displayed when teletext is called again.

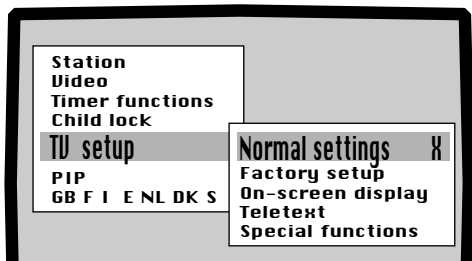
Teletext – program preview settings


Creating program preview page:

 Call the menu

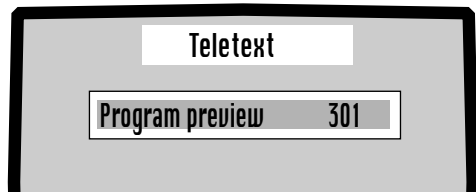


 Select „TV setup“



 Select „Teletext“

Entering the preview page number:



Enter page number: e.g. 401

Deleting the preview page:







Enter program preview page

If you are receiving TV programs without TOP teletext system in which the program preview begins at a different page to 301, enter the number of the first page of the program preview in the „TV setup-Teletext“ menu.


First select the program in which this setting is to be activated. Programs 1 to 46 are allowed.

Creating program preview page:

1. Call the menu by pressing the  button.
2. Select the „TV setup“ line with the blue button .
3. Select the „Teletext“ line with the yellow button .
4. Press the  button.



If the „Program preview“ line is marked in blue, you can enter the page number with the number buttons.

Delete page number:

Press the  button.

Where do you get the teletext page number from?

Switch to teletext and have a look at what the teletext has to offer. Look for the program preview. The page number is displayed in the header line of the teletext page. Take the first page which contains a program preview and not a page which merely gives an overview.

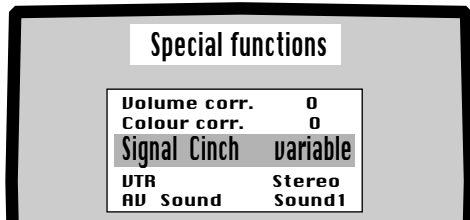
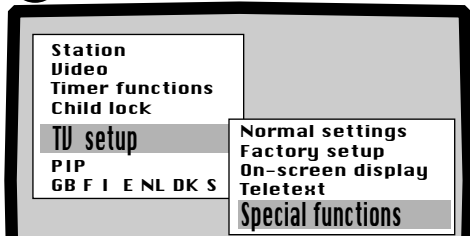
After this set up, the title of the current broadcast can be called with the TV guide button  and the program preview displayed with the green button  for stations without TOP teletext system as well.

Connecting other equipment – loudspeakers/HiFi system

Sound selection for the cinch sockets:Connecting the loudspeakers


  Select „TV setup“

 Select „Special functions“




 Select the „Signal Cinch“ line

 Select sound signal fixed or variable

 End setup

Adjusting the volume of the HiFi amplifier:

 Press, display: <Mute>

 Select <HP vol>

 Adjust volume

Stereo - Mono! or Sound 1 - Sound 2:

 Select line <Stereo> or <Sound 1>

 Set <Mono!> or <Sound 2>







The sockets for the loudspeakers are on the back of the set; L = left sound channel, R = right sound channel. Connecting values of the loudspeakers: 4 ohms/40 watts. The TV's speakers are cut off when other loudspeakers are connected.

Connecting a HiFi amplifier system

The sockets (Cinch) for a HiFi amplifier system are on the back of the TV set. Red socket = right sound channel, white socket = left sound channel. If you connect an amplifier system, you can play the TV sound through the stereo amplifier system. You can select the following functions for the cinch sockets:

1. Fixed signal: all sound functions are adjusted on your HiFi amplifier system.
2. Variable sound signal: you can adjust the volume of the HiFi system with your TV remote control. Set a basic volume of the HiFi system first.




Selecting the signal to the cinch sockets:

1. Call the menu, press the  button.
2. Select the „TV setup“ line with the blue button .
3. Select the „Special functions“ line with the yellow button .
4. Press the  button.
5. Select the „Signal Cinch“ line.
6. Set „fixed“ or „variable“ with the  button.
7. End setup by pressing the  button.



If you select „variable“, there is a fixed signal level at the cinch sockets. If you select „fixed“ you can set the sound signal at the cinch sockets by adjusting the headphones volume.

Adjusting the volume of the HiFi amplifier system

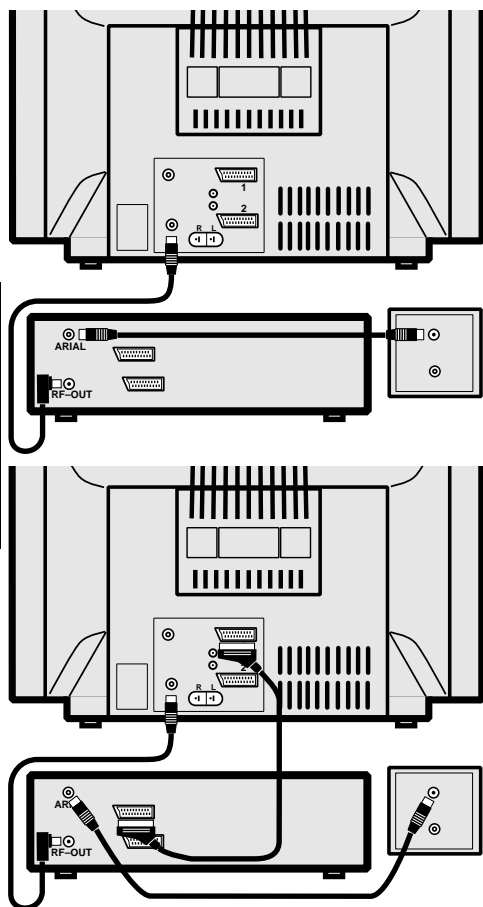
If you have selected „Signal Cinch fixed“, you can adjust the volume of your HiFi system with your TV remote control.

1. Press the  button. <Mute> is displayed briefly on the screen in red, the sound of the TV set's loudspeakers is switched off.
2. Press the  button.
3. If <HP vol> is marked in white, you can adjust the volume of the HiFi system with the  buttons.

If you had set to „variable“, adjust the volume only on the HiFi system.

For stereo broadcasts, you can select the <Stereo> line with the  button and <Mono!> with the  buttons. In 2 Sound broadcasts, you can switch from <Sound 1> to <Sound 2> and vice versa.

Connecting other equipment – videorecorders/camcorders



Connecting video recorders or camcorders

You can connect any VCR to your TV. Loewe VCRs, however, are specially adapted to these TVs. This has the advantage that you can control the important functions of the VCR with the TV remote control. You can record both terrestrial and satellite programs (providing a satellite tuner is fitted) with the „VCR programming“ function.

There are two ways to connect your VCR to the TV:

1. An antenna - video recorder - TV connection, this allows you to tape a TV program with the video recorder and watch another program on the TV at the same time. The disadvantages of this type of connection are:
 - Poorer picture and sound quality in reproduction.
 - Reproduction in stereo sound not possible.
 - You cannot use the TV timer functions.
2. A connection by means of an AV cable from the video recorder to one of the EURO-AV sockets on the TV set. The advantages of this type of connection are:
 - Better picture and sound quality.
 - Stereo sound reproduction is possible.
 - You can select Sound 1 or Sound 2 when playing back a 2 Sound recording.
 - A concealed Loewe video recorder can be operated with the TV remote control.
 - The possibility of recording programmes with the videorecorder with the timer and the TV set receiver units.
 - The possibility of recording programs with the video recorder with the timer and the receiving points of the TV.We recommend both types of connection, in this way you can use all the functions of your video recorder and TV set without restrictions.
3. You can connect camcorders for playback or copying either to the front socket „S-TERMINAL“ (for S-VHS, Hi8). Feed the sound into the two cinch sockets „LAUDIOR“. Use one of the EURO-AV sockets for Art 84-100 and Art 95-100.

Select program slot 00 for AV playback through the antenna socket.



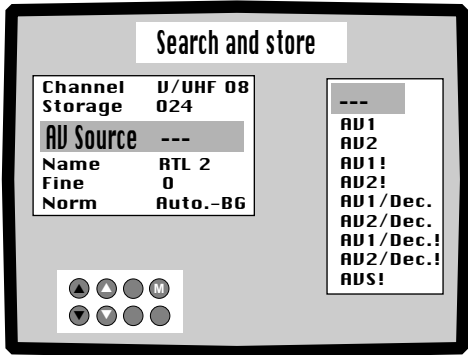
Video playback through the antenna socket

Program slot 00 is preprogrammed specially (short time constant) for good reception of the video recorder channel (CH 36). Select this program slot on the TV set. Most video recorders are set to channel 36 or 37. You can check this by switching on the video recorder's „test signal“ or switching the video recorder to play. If you do not get perfect picture and sound reproduction or no reproduction at all, you can set the video recorder's transmitter to another channel. Channels 30 to 39 are normally used. There is an adjustor „RF CHANNEL ADJ“ on the back of the video recorder. Set the video recorder's transmitter so that the picture and sound are reproduced perfectly. Of course you can also use the „Station search and store“ menu to find and fine tune the video recorder transmitter.

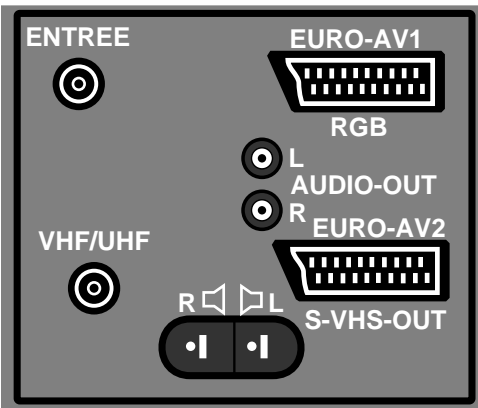
Connecting other equipment – videorecorders/camcorders

Select program slot for AV playback through the EURO-AV socket:

- Select „Station“
- Select „Search and store“ line
- Select „AV source“



- or Select EURO-AV socket e.g. AV 1
- Select „Storage“ line
- End setup



Audio/video playback through the EURO-AV sockets

Use a commercially available AV cable to connect the TV set to the video recorder. You can playback on the video recorder or record a TV program through the EURO-AV sockets 1 and 2. You can use any program slot for audio/video playback. For example connect the video recorder to the EURO-AV 1 socket.

Preparing the EURO-AV socket for AV-mode

1. Select the program slot at which you want to set the AV function.
2. Call the „Station“ menu with the button. The „Station“ line must be marked in blue if necessary.
3. Select the „Search and store“ line with the yellow button .
4. Press the button briefly.
5. Select the „AV source---“ line with the blue button .
6. Select the EURO-AV socket to which you have connected the videorecorder, e.g. AV1, with the yellow button or .
7. Select the „Storage“ line with or .
8. Store with button.
9. End setup by pressing the .

For setup:

- „AV1“ or „AV2“, AV-playback through EURO-AV socket 1 or 2 possible for units which emit a switching voltage, e.g. video recorders.
- „AV1!“ or „AV2!“ AV playback possible through socket 1 or 2 without switching voltage e.g. camcorders.
- „AV1/Dec.“ or „AV2/Dec.“ AV playback with connection of an SVHS recorder with connected decoder with switching voltage.
- „AV1/Dec.!” or „AV2/Dec.!” AV playback with connection of an SVHS recorder with connected Première decoder without switching voltage. We recommend this setup if the coded signal is to be recorded by the videorecorder.
- „AVS!” AV playback through the front socket „S-TERMINAL“ (AVS not available in Art 84-100 and Art 95-100).

Whether the connected videorecorder or decoder supplies a switching voltage during playback can be found out from the operating manuals which accompany this equipment.

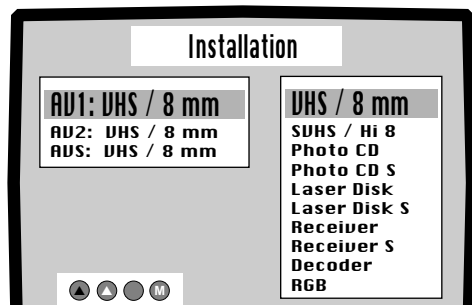
The exclamation mark indicates that this program place cannot be used for TV but only for AV, i.e. as a monitor.

The videorecorder outputs a switching voltage if it is switched to playback. You can now watch your recordings instead of the TV.

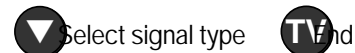
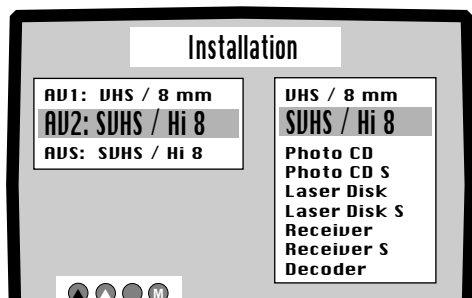
Connecting other equipment – selecting video equipment

Selecting socket and signal type:

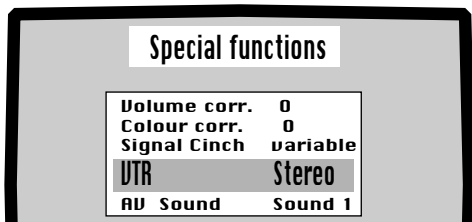
Call the menu:



or: EURO-AV socket 2, AV 2:



Setting mono/stereo VTR and AV sound:



Which audio/video equipment can you connect to the EURO-AV sockets or the S-Video socket?

Call the „Video-Installation“ menu. You will be given a view of the connectable equipment or signal types for every video connecting socket.

You can connect up to three audio/video units for the three AV connections.

1. Press the **MEN** button.
2. Select the „Video“ line with the blue button **▼**.
3. Select „Installation“ with the yellow button **▽**.
4. Press the **MEN** button.
If „AV 1“ is marked in blue, you can view the list of connectable equipment.
5. Select the EURO-AV socket to which you want to connect an audio/video unit with the blue button **▼**.
6. Select the signal type, e.g. for SVHS video recorders signal type Y/C or for VHS recorders signal type FBAS, with the yellow button **▽** **△**.
7. Exit the menu by pressing the **TV** button, the settings are then stored.

The additional „S“ means these units have a Y/C output and transmit the signal in S-Video. When connecting a Photo CD unit simply select the signal type „Photo CDS“ to obtain the best picture quality. Select **<Photo CD>** with the **Picture functions** button **□**. Set **<Photo CD on>** with the buttons **⊖** **⊕** **+**. You can also increase the sharpness of the picture. We also recommend that you select the **<S-Contrast>** setting especially for freezes, this is how you do it: Keep the **Contrast** button **⊖** **⊕** pressed until **<S-Contrast>** is displayed. The RGB signal type, i.e. the signals red, green and blue, can only be selected for the EURO-AV socket 1 (AV1). A Pay-TV decoder, e.g. for the Première program, can be connected to the EURO-AV socket 1 or 2.

Setting mono or stereo video recorders and selecting sound for 2 Sound

To record the TV sound, select whether a mono or stereo video recorder is connected and which sound you want to record in the case of 2 Sound broadcasts.

1. Call the „TV setup - Special functions“ menu. Press the **MEN** button.
2. Select the „TV setup“ line with **▼**.
3. Select the „Special functions“ line with **▽**.
4. Press the **MEN** button, select the „VTR“ line and set „Mono“ or „Stereo“ with the **⊗** button.
5. Select the „AV sound“ line with **▼**.
6. Set „Sound 1“, „Sound 2“ or „Sound 1+2“ with the **⊕** **⊖** buttons.
7. End programming with **TV**.

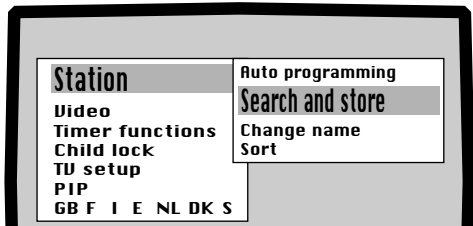
For **Sound 1+2**, sound 1 is on the left and sound 2 on the right cinch socket. Both sounds are transmitted through the EURO-AV socket.

It is advisable to set sound 1 (main sound) or sound 2 (foreign language) for a mono recorder because both languages will be recorded simultaneously with sound 1+2.


Connecting other equipment – connecting a Pay-TV decoder

Call the „Station - Search and store“ menu:

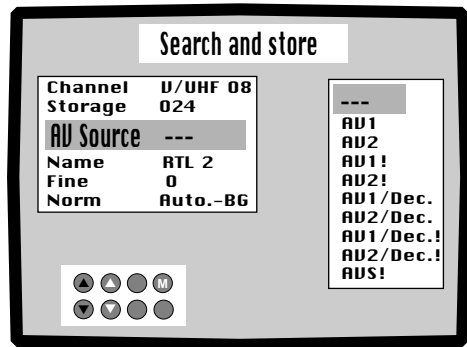
 Press briefly



  Select „Station“ line


 Select „Search and store“ line

 Press




 Select „AV source“

 or  Select AV1/Dec or AV1/Dec!

 To „Store“





 End setting

To set up and connect a Pay-TV decoder, e.g. for Premiere, please see the decoders instructions for use.

Connect the connecting cable (AV/Scart cable) to the EURO-AV socket 1 on the back of the TV set. The Pay-TV decoder can also display the subscription information (RGB signals) through this socket.

Make sure that the decoder is switched on (green pilot lamp on the Premiere decoder) and the decoder key is inserted.

Select the number of the program on the TV set at which the Premiere station is stored. If you can only see a coded picture, proceed as follows.

1. Call the menu by pressing the  button.
2. Mark the „Station“ line with the blue button .
3. Select the „Search and store“ line with the yellow button .
4. Press the  button.
5. Mark the line „AV source“ with the blue button .
6. Select the line „AV1/Dec“ with the yellow buttons   if the Premiere decoder applies a 12 V switching voltage to the EURO-AV socket. For a decoder without switching voltage, select „AV1/Dec.!“.
7. Press the  key, „Store“ is marked blue.
8. Store the settings by pressing the  button.
9. Clear the menu by pressing the  button.

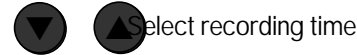
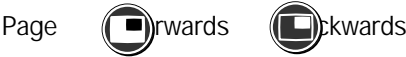
The settings are now stored for this program place, even when you switch the set off and back on with the on/off switch.

There are two ways to record a Pay-TV program:

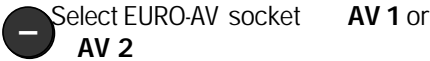
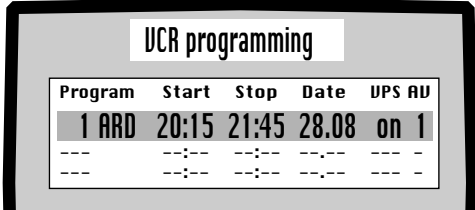
1. Connect the VCR to the 6-pole AV-socket of the Pay-TV decoder. However, you cannot playback through this.
2. Better to connect the VCR to the EURO-AV socket 2. This has the advantage that you can also playback the recordings through the same socket.

Connecting other equipment – Timer recording

Calling the program preview:



Transfer recording data to the VCR programming:



VCR programming

From the program preview pages, you can select the data: program, date, start time and stop time for a certain broadcast and transfer these data into a „VCR programming“ table. Three VCR programming tables are available. A Loewe video recorder connected to the EURO-AV socket can then record this broadcast on timer control. In this way you can also record satellite programs comfortably from the satellite receiver unit of the TV with your Loewe video recorder.

Calling the preview page

Press the TV guide button . The current program preview appears on pressing the green button . Press the green button again to turn to the next preview page. Turn back with the red button .

Transferring recording data:

1. Select the start time of the broadcast with the blue buttons . **<record: M>**

appears at the bottom of the picture. 2. As long as this display is visible, you can transfer the data to the VCR programming by pressing the button. Note: If you have chosen a station without TOP teletext transmission, it may not be possible to read the time or date or both. If you try to transfer timer data in this case, „Timing functions-date or time“ appears. Enter the missing data otherwise no accurate timer recording is possible! Take any time differences into account for foreign stations and correct the start time, e.g. in the recording timer.

3. Depending on which EURO-AV socket the video recorder is connected to, set **1** or **2** for **<AV>** with the button.

Preparing the video recorder for recording

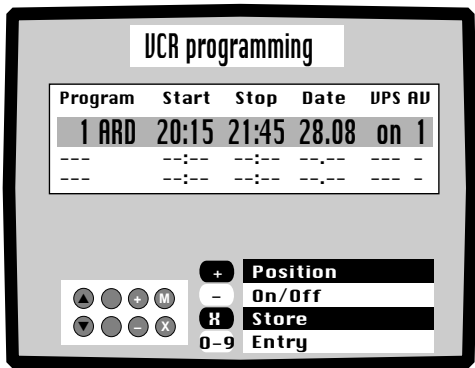
Check that the video recorder is connected to the TV set with an AV cable.

1. Insert a blank tape.
2. Set the video recorder to AV mode (AUX).
3. Set the „Remote“ switch on the video recorder to TV so that the recorder can be operated with the TV remote control.
4. Switch the recorder to standby.

Note:

This can only be controlled in a Loewe video recorder which has a „Remote VTR-TV“ circuit.

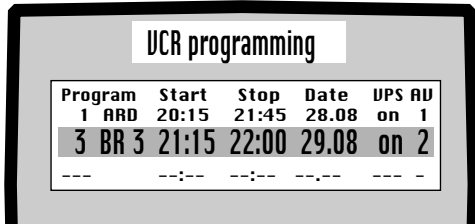
Connecting other equipment - Timer recording



X Store timer data

Selecting the VCR programming:

- MEN** → **▼** Select „Video“
- ▼** Select „VCR programming“
- MEN** → **▼** Select timer



+ Select input position
Enter data with the number buttons
VPS or AV with button

- select
- X** store

4. The VCR programming is not stored as long as data are flashing!

If you have connected two video recorders to the EURO-AV sockets, you can set **AV 1** for one timer and **AV 2** for the next timer. In this way you can decide which recorder is to record.

5. Store the timer data by pressing the **X** button and select the next timer line with the blue buttons **▼** **▲** or fade out the timer with the **TV** button.

Timer data - change, enter manually or delete

When you press the **+** button, the program name and program number start flashing. If you press this button several times you come to start and stop time, date, VPS or AV connection. You can set each position as it flashes. Enter the date, time or program number with the number buttons.

Set VPS to „VPS on“ or „VPS off“ with the **-** button. When you have entered all the desired data, store these by pressing the **X** button. Select the next timer with the blue button **▼** and enter the recording data etc.

Entering timer data manually:
Select the blank timer with the blue arrow buttons. The „Program no.“ position flashes, enter the appropriate program number. When you have entered all the data, store them by pressing the **X** button. Shift the position for input or correction within a timer line with the **+** button.

Attention!

If timer recordings are programmed, the TV set may on no account be switched off at the on/off button, otherwise the timer data will be lost. If you switch your TV set to standby with the remote control. This is signalled by the red and green lamps on the TV set's local operating panel for VPS search (approx. 1 hour before recording) and during recording.

Note: On „VPS On“, your video recorder will be controlled by the VPS times transmitted by the station. If you set „VPS Off“, the video recorder will record with the data set in your VCR programming. Make sure you have set the correct date and time on your TV set! You can get the VPS times from the program preview by pressing the **?** button.

Broadcasts with VPS may start earlier or later, the TV set therefore searches for the VPS information before the start time. If you are watching a TV program, the TV set switches over to the program to be recorded about 10 minutes before recording is due to begin. The message „Video recording“ is displayed. It is now no longer possible to switch over to another program unless your TV is fitted with a satellite tuner. For example you can watch a terrestrial program while recording a satellite program.

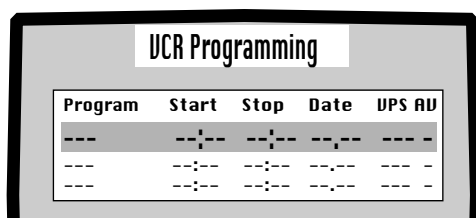
Programming for recording series:

Enter the program number, start and stop time as usual. Enter the day of the week (1 = Monday - 7 = Sunday) instead of the date and always 00 for the month.

Examples:

Daily series = 17.00,
sundays only = 77.00
saturdays and sundays only = 67.00,
daily monday to friday = 15.00.

Connecting other equipment – deleting timer/operating the video recorder



Deleting the VCR programming:

1. Select the programming to be deleted with the blue button .
2. Press the button, the program name and program number flash.
3. Press the button, the timer data are deleted.

The timer data are deleted automatically if the timer time has already expired.



Operating the video recorder:

Call the menu



Operating the video recorder

If you have two video recorders, you can copy from one recorder to the other. The recorders must both be connected to the EURO-AV sockets on the TV set with AV cables. You can copy from the recorder connected to EURO-AV 1 to the recorder at EURO-AV 2 or vice versa. You can control the Loewe video recorder with the TV remote control with the menu „Video-Record/playback“.

1. Call the menu by pressing the .
2. Select „Video“ with the blue button .
3. The „Record/playback“ line must be marked in yellow, mark it with the yellow button if necessary.
4. Press the button, the menu appears.

Select the EURO-AV socket and thus the video recorder which you want to control, with the blue buttons .

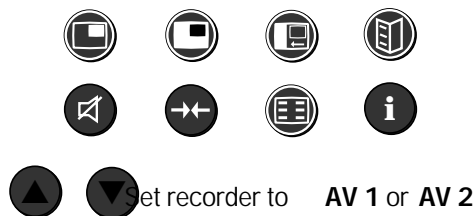
If you switch the recorder at AV 1 for example to play with the button and the recorder at AV 2 to record with the button, you will copy from AV 1 to AV 2.

Exit the menu by pressing the button.

Note:

Set the „Remote“ switch on the video recorder to **TV** so that the recorder can be operated with the TV remote control! You can now control the video recorder with the coloured buttons and the buttons below them.

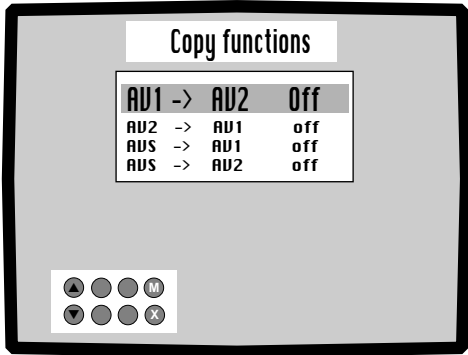
You can use the TV as a monitor during copying or you can watch a TV program.



Connecting other equipment – copying

Calling the „Copy functions“ menu:

- Select „Video“
- Select „Copy functions“
-



- Select copy direction
- Copy On or Off
- Exit menu

Copying functions

The „Copy functions“ menu allows you to set up the copying direction. This saves you changing over the plugs on the connected equipment.
For example: Copying from the EURO-AV socket 1 to EURO-AV socket 2 or from the front socket „S-TERMINAL“ to AV 1 etc. (AVS not available in model 84-100 and 95-100).

First set the equipment connected to the sockets as described on page 96 to determine whether and how the signal is to be converted.

Call the „Copying functions“ menu:

1. Press the button.
2. Select the „Video“ line with the blue button .
3. Select „Copy functions“ with the yellow button .
4. Press the .
5. Select the copying direction, e.g. EURO-AV socket 1 to EURO-AV socket 2 with the blue buttons .
6. Switch on the copying direction, e.g. „AV 1 > AV 2 On“ or off with the setting „AV 1 > AV 2 Off“ with the .

You can watch what you are copying as long as the menu is visible. If you exit the menu by pressing the , copying continues and you can watch a TV program of your choice.

Copying to EURO-AV 1 or EURO-AV 2 or both sockets is possible from the front socket „S-TERMINAL“.

Copying possibilities

VHS video recorders and 8 mm video emit so-called CVBS signals through the EURO-AV socket or the video cinch socket. SVHS or Hi8 video recorders emit either Y/C signals or CVBS signals.

Following copying possibilities exist:

From EURO-AV socket 1 to 2:

1. Y/C signal → Y/C signal (e.g. if there is no front socket „S-TERMINAL“)
2. Y/C signal → CVBS signal (signal is converted)
3. CVBS signal → CVBS signal

From EURO-AV socket 2 to 1:

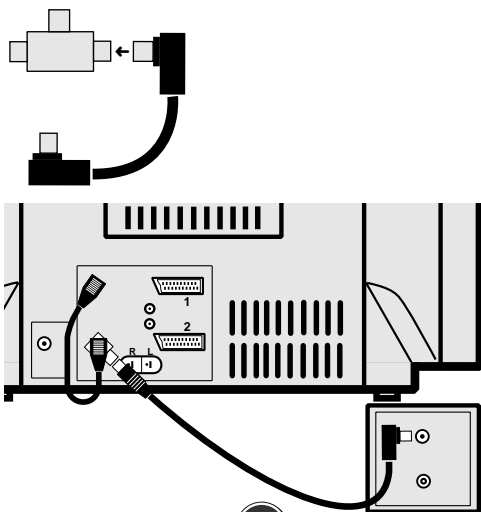
1. CVBS signal → CVBS signal
2. Y/C signal → CVBS signal

The following copying possibilities exist from the front socket (S-TERMINAL):

1. Y/C signal (SVHS/Hi8) → EURO-AV socket 2 → Y/C signal
2. Y/C signal → EURO-AV socket 1 → CVBS signal (signal is converted)
3. CVBS signal → EURO-AV socket 2 → CVBS signal
4. Y/C signal → EURO-AV socket 1 → CVBS signal (signal is converted)
5. CVBS signal → EURO-AV socket 1 → CVBS signal

CVBS = colour video synchro signal
Y/C = picture brightness-colour signal

PIP Operation – Switch on PIP/Change PIP Program/Change PIP Position



Switch on PIP:



Change PIP program:



Switch off PIP:

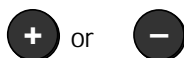


Change program of the large picture:



Change program as above

Change PIP position:





Picture in picture is only possible if your TV set is equipped accordingly. PIP is a picture in picture display. For example, you can see your main program as a large picture and at the same time watch a small picture of another program.

In order to be able to use all the PIP functions, at least 2 TV programs must be receivable and stored.





Switch picture in picture on/off and select the program for the small picture

Press the green button . A small picture is displayed in a green frame. The program name and number are displayed briefly in the small picture.



Program change with  or  or the numeric buttons are now only carried out for the small picture.

You can switch off picture in picture windows with the red button .

Select program for the large picture

Press the green button  when a small picture is displayed on the screen. The small picture is displayed in a white frame. The program name and the program number are displayed briefly in the small picture. Program change with  or  or the numeric buttons are now only carried out for the large picture. Press the green  button again to switch back to a picture with green frame.

Changing the position of the small picture

Press the  button, the small picture is moved clockwise, press , the small picture is moved anticlockwise.

Connecting the antenna to the PIP tuner

An antenna adapter (T-piece) and a short antenna cable are enclosed with the set to connect the antenna to the PIP tuner. Plug the components together and connect them as illustrated.

Set version PIP without PIP tuner:

Picture in picture is possible in connection with a video recorder connected to the EURO-AV socket in playback and with a satellite tuner. You can display a TV program during playback or vice versa. It is also possible to display other TV programs in a small window via a built-in tuner in the video recorder in order to monitor the recording for example.

If your TV is equipped with a satellite tuner, a satellite program can also be displayed as a small picture - or vice versa, a terrestrial program displayed during satellite reception. On the other hand it is not possible to watch satellite programs on the large and small pictures at the same time, two satellite tuners would be required to do this.

If you are playing back through one of the EURO-AV sockets, you can display a TV program or vice versa display the playback whilst watching the TV.

This function works for both white and green frames.

PIP Operation – Program Scan/Change picture/Freeze/Reduce PIP



Stop program scan



Starting program scan

This can be done with a small picture in a green frame. Press the blue button

The small picture now shows one program after another at short intervals. The frame is blue.

Stop the program scan with the blue button

when you find the program which interests you.

The program scan stops automatically when all programs have been shown, the small picture then has a green frame again.



Exchanging a large for a small picture

This only works if the small picture is in a green frame; press the green button

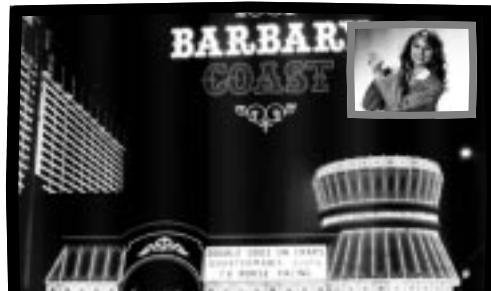
first if necessary. Press the yellow button to effect the exchange.



„Freezing“ the small picture

Press the button. The small picture is frozen. Press the button again to switch back to a moving small picture.

This function works for both white and green frames.



Reduce small picture

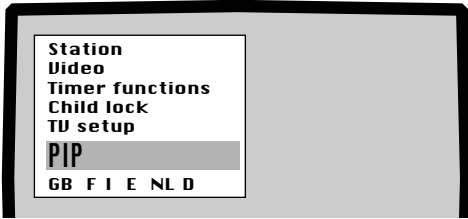
Press the button to reduce the small picture.

Press the button again to return to the normal small picture.

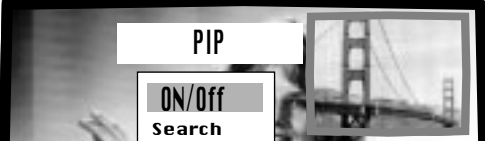
This function works for both white and green frames.

PIP operation – picture in picture menu

Select <PIP>

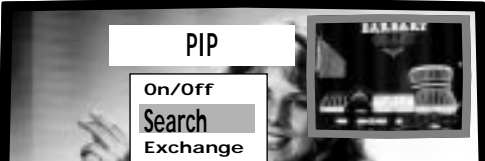


display with



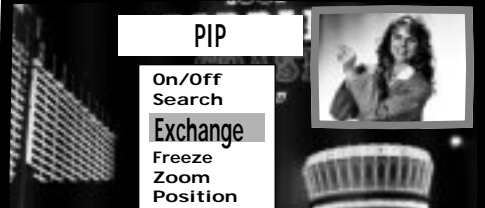
Fade out small picture

Start program scan



Stop program scan

Exchange large/small picture



Freeze/moving picture

Small picture small/normal

Position of small picture

The picture in picture menu

The picture in picture menu simplifies operation of the PIP. Select the function in the menu, press the button and then exit the menu by pressing . The operation is designed for a small picture.

1. Call the menu with the button.
2. Set <PIP> with the blue buttons .
3. Call <PIP> with the button.
4. Select <On/Off> with and press . The small picture is displayed.
5. Select the following functions with the blue buttons .
6. Start the program scan with to find the program which interests you. Stop the search with .
7. Exchange the large and small pictures by pressing the button.
8. „Freeze“ the small picture by pressing . Back to moving picture by pressing again.
9. Reduce the small picture, press the button. Press again to return to the normal size.
10. Change the position of the small picture clockwise with the button and anticlockwise with the button.

You can exit the menu at any time by pressing the .

Cleaning

It is best to clean the housing of the TV set and the remote control with a cloth soaked in a little plastic cleaner.

Clean the screen with a window cleaning fluid. Sets with a contrast filter on the inside too from time to time.

Cleaning petrol, furniture polish or cleaners containing abrasives should not be used as these may damage the varnish and printing.